Canadian Intellectual Property Office
An Agency of Industry Canada

Office de la propriété intellectuelle du Canada
Un organisme d'Industrie Canada

ISSN-1712-4034

The Patent Office Record

La Gazette du Bureau des brevets

Vol. 150 No. 14 April 5, 2022

Vol. 150 No. 14 le 5 avril 2022

Canada

CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif
50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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7. 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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

1.2. Services Courrier recommandé[MC] et Xpresspost[MC] de Postes Canada

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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 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.

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 April 5, 2022 contains applications open to public inspection from March 20, 2022 to March 26, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 5 avril 2022 contient les demandes disponibles au public pour consultation pour la période du 20 mars 2022 au 26 mars 2022.

16. Erratum

All information respecting patent application number 3, 139, 464 referred to under the section *PCT Applications Entering the National Phase* contained in the December 07, 2021 issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet 3, 139, 464 dans la liste *des Demandes PCT entrant en phase nationale* contenues dans le numéro du 7 décembre 2021 de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

April 5, 2022

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[54] **MESURES PRECISES D'UNE SUBSTANCE A ANALYSER POUR BANDE DE TEST ELECTROCHIMIQUE BASEES SUR UNE OU PLUSIEURS CARACTERISTIQUES PHYSIQUES DETECTEES DE L'ECHANTILLON CONTENANT LA SUBSTANCE A ANALYSER**
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[51] **Int.Cl. C07K 14/62 (2006.01) C07K 1/04 (2006.01)**
[25] EN
[54] **SOLID PHASE PEPTIDE SYNTHESIS OF INSULIN USING SIDE CHAIN ANCHORED LYSINE**
[54] **SYNTHESE PEPTIDIQUE EN PHASE SOLIDE DE L'INSULINE AU MOYEN DE LYSINE FIXEE A UNE CHAINE LATERALE**
[72] BARLOS, KLEOMENIS K., GR
[72] BARLOS, KONSTANTINOS, GR
[72] GATOS, DIMITRIOS, GR
[72] ZIOVAS, MICHAIL, GR
[72] LIOPYRIS, EFSTATHIOS, GR
[73] CHEMICAL & BIOPHARMACEUTICAL LABORATORIES OF PATRAS SA, GR
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[54] **MAKEUP APPLICATOR ASSEMBLY**
[54] **DISPOSITIF APPLICATEUR DE MAQUILLAGE**
[72] TANNER, BERYL L., CA
[73] TANNER, BERYL L., CA
[86] (2871875)
[87] (2871875)
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[51] **Int.Cl. B43K 27/08 (2006.01) A61B 90/00 (2016.01) B43K 5/00 (2006.01) B43K 24/06 (2006.01) B43K 24/14 (2006.01) C09D 11/16 (2014.01)**
[25] EN
[54] **SURGICAL MARKER**
[54] **MARQUEUR CHIRURGICAL**
[72] BEZUHLY, MICHAEL, CA
[73] DALHOUSIE UNIVERSITY, CA
[86] (2871958)
[87] (2871958)
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[51] **Int.Cl. C09D 201/06 (2006.01)**
[25] EN
[54] **PIGMENTED COATING COMPOSITION WITH A PHOSPHORUS ACID FUNCTIONALIZED BINDER**
[54] **COMPOSITION DE REVETEMENT PIGMENTEE AVEC UN LIANT A FONCTION ACIDE PHOSPHORE**
[72] BOHLING, JAMES C., US
[72] DE ROCHER, JONATHAN P., US
[72] HENDERSON, KEVIN J., US
[72] VAN DYK, ANTONY K., US
[73] ROHM AND HAAS COMPANY, US
[86] (2873207)
[87] (2873207)
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[51] **Int.Cl. C09D 201/08 (2006.01)**
[25] EN
[54] **PIGMENTED COATING COMPOSITION WITH ITACONIC ACID FUNCTIONALIZED BINDER**
[54] **COMPOSITION DE REVETEMENT PIGMENTEE AVEC UN LIANT A FONCTION ACIDE ITACONIQUE**
[72] BOHLING, JAMES C., US
[72] HENDERSON, KEVIN J., US
[73] ROHM AND HAAS COMPANY, US
[86] (2873208)
[87] (2873208)
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[51] **Int.Cl. F28F 27/00 (2006.01) F22D 5/26 (2006.01) F28C 3/08 (2006.01) F28F 25/04 (2006.01)**
[25] EN
[54] **EVAPORATIVE CYCLES OF CONCENTRATION CONTROL**
[54] **CYCLES D'EVAPORATION DANS LE CONTROLE DE LA CONCENTRATION**
[72] KIRKWOLD, MARK ALLEN, US
[72] FARLEY, COLE K., US
[72] LUNDGREEN, JAMES M., US
[73] DRI-STEEM CORPORATION, US
[86] (2878774)
[87] (2878774)
[22] 2015-01-19
[30] US (61/928.740) 2014-01-17
[30] US (61/928.764) 2014-01-17
[30] US (61/928.775) 2014-01-17
[30] US (61/928.784) 2014-01-17
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[51] **Int.Cl. C07D 489/02 (2006.01)**
[25] EN
[54] **METHODS FOR THE PREPARATION OF HYDROMORPHONE**
[54] **METHODE DE PREPARATION D'HYDROMORPHE**
[72] HUDLICKY, TOMAS, CA
[72] ENDOMA-ARIAS, MARY ANN, CA
[72] SNAJDR, IVAN, CS
[72] MACHARA, ALES, CS
[72] MURPHY, BRENNAN AUGUSTA, CA
[73] HUDLICKY, TOMAS, CA
[73] ENDOMA-ARIAS, MARY ANN, CA
[73] SNAJDR, IVAN, CS
[73] MACHARA, ALES, CS
[73] MURPHY, BRENNAN AUGUSTA, CA
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[87] (2881229)
[22] 2015-02-06
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[13] C
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[25] EN
[54] **DUAL PURPOSE DRYERS FOR HIGH FLOW**
[54] **SECHOIRS DOUBLE USAGE POUR DEBIT ELEVE**
[72] EBERLING, CHARLES E., US
[72] HOFFMAN, FRED W., US
[72] RIPLEY, JOHN V., US
[72] NECHVATAL, ROBERT J., US
[73] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[86] (2883857)
[87] (2883857)
[22] 2015-03-03
[30] US (14/200,523) 2014-03-07

[11] **2,884,188**
[13] C
[51] **Int.Cl. B65G 63/00 (2006.01) H04B 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING ACTIVATION OF OPTIONS PRELOADED ON A MATERIAL HANDLING VEHICLE**
[54] **DISPOSITIFS ET METHODES DE CONTROLE D'ACTIVATION D'OPTIONS PRECHARGEES DANS UN VEHICULE DE TRAITEMENT DE MATERIAU**
[72] VANDERPOOL, JOSHUA DANIEL, US
[72] DONAHUE, TIMOTHY EDWARD, US
[73] THE RAYMOND CORPORATION, US
[86] (2884188)
[87] (2884188)
[22] 2015-03-09
[30] US (14/202,904) 2014-03-10

[11] **2,884,597**
[13] C
[51] **Int.Cl. H02M 3/156 (2006.01)**
[25] EN
[54] **METHODS AND APPARATAE FOR CONTROLLING AND PROVIDING A VOLTAGE CONVERTER WITH A PULSE-WIDTH-MODULATED SWITCH**
[54] **PROCEDE ET APPAREILS PERMETTANT DE COMMANDER ET DE FOURNIR UN CONVERTISSEUR DE TENSION DOTE D'UN COMMUTATEUR MODULE EN LARGEUR D'IMPULSION**
[72] WANG, ERYU L., US
[72] NEWBURY, KENNETH M., US
[72] WILLERS, MICHAEL J., IE
[72] KOWALEWSKI, THOMAS R., US
[73] MOOG INC., US
[85] 2015-03-11
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[13] C
[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **PEPTIDE-LINKED MORPHOLINO ANTISENSE OLIGONUCLEOTIDES FOR TREATMENT OF MYOTONIC DYSTROPHY**
[54] **OLIGONUCLEOTIDES MORPHOLINOS ANTISENS LIES A UN PEPTIDE POUR TRAITER LA DYSTROPHIE MYOTONIQUE**
[72] LEGER, ANDREW, US
[72] WENTWORTH, BRUCE, US
[72] NELSON, CAROL A., US
[72] WEEDEN, TIMOTHY E., US
[72] CLAYTON, NICHOLAS, US
[72] CHENG, SENG, US
[73] GENZYME CORPORATION, US
[85] 2015-03-23
[86] 2013-09-24 (PCT/US2013/061320)
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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **TREATMENT OF ANXIETY WITH IL1.ALPHA. ANTAGONIST**
[54] **TRAITEMENT D'ANXIETE AVEC L'ANTAGONISTE IL1.ALPHA.**
[72] SIMARD, JOHN, US
[73] JANSSEN BIOTECH, INC., US
[85] 2015-03-27
[86] 2013-10-01 (PCT/US2013/062899)
[87] (WO2014/055541)
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[51] **Int.Cl. H04W 8/18 (2009.01) H04W 4/06 (2009.01) H04W 4/12 (2009.01) H04L 67/52 (2022.01) H04L 12/16 (2006.01)**
[25] EN
[54] **METHOD, SYSTEM AND APPARATUS FOR PROVIDING ACTIVITY FEED FOR EVENTS TO FACILITATE GATHERING AND COMMUNICATING OF EVENT INFORMATION**
[54] **FOURNITURE D'UN FIL D'ACTIVITE POUR DES EVENEMENTS AFIN DE FACILITER LA COLLECTE ET LA COMMUNICATION DES INFORMATIONS D'EVENEMENT**
[72] FELDER, BRIAN, US
[72] SHANLEY, DAVID, US
[73] CVENT, INC., US
[85] 2015-04-09
[86] 2013-10-09 (PCT/US2013/064139)
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[30] US (61/711,427) 2012-10-09
[30] US (13/838,423) 2013-03-15

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[25] EN
[54] **METHODS AND DEVICES FOR COMPOUND DELIVERY**
[54] **PROCEDES ET DISPOSITIFS POUR L'ADMINISTRATION DE COMPOSES**
[72] WENSLEY, MARTIN, US
[72] HUFFORD, MICHAEL, US
[72] WILLIAMS, JEFFREY, US
[72] LLOYD, PETER, US
[73] FONTEM HOLDINGS 1 B.V., NL
[85] 2015-05-05
[86] 2013-11-27 (PCT/US2013/072426)
[87] (WO2014/085719)
[30] US (61/730,738) 2012-11-28
[30] US (61/794,601) 2013-03-15
[30] US (61/831,992) 2013-06-06
[30] US (61/887,045) 2013-10-04

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[25] EN
[54] **SOLID STATE DRIVE ARCHITECTURES**
[54] **ARCHITECTURES DE DISQUE ELECTRONIQUE**
[72] PEDDLE, CHARLES I., US
[72] SNELGROVE, MARTIN, CA
[72] MCKENZIE, ROBERT, CA
[72] SNELGROVE, XAVIER, CA
[73] PEDDLE, CHARLES I., US
[85] 2015-05-12
[86] 2013-11-19 (PCT/US2013/070789)
[87] (WO2014/081719)
[30] US (61/728,394) 2012-11-20
[30] US (61/775,327) 2013-03-08

[11] **2,893,071**
[13] C
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[25] EN
[54] **TENSIONING UNIT**
[54] **MODULE DE MISE SOUS TENSION**
[72] KUFNER, JOHANN, DE
[73] IDEEMATEC DEUTSCHLAND GMBH, DE
[86] (2893071)
[87] (2893071)
[22] 2015-05-28
[30] DE (20 2014 102 513.8) 2014-05-28

[11] **2,893,096**
[13] C
[51] **Int.Cl. C12N 1/20 (2006.01) A61K 39/02 (2006.01)**
[25] EN
[54] **LEPTOSPIRA WITH INCREASED ANTIGENIC MASS**
[54] **LEPTOSPIRA A MASSE ANTIGENIQUE ACCRUE**
[72] SMITS, CHRISTIAN THEODOOR GERARDUS, NL
[72] KETS, EDWIN, NL
[72] ADRIAANSE, HENRIETTE, NL
[73] INTERVET INTERNATIONAL B.V., NL
[85] 2015-05-28
[86] 2013-12-20 (PCT/EP2013/077590)
[87] (WO2014/096311)
[30] EP (12199264.8) 2012-12-21

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[51] **Int.Cl. G01K 7/16 (2006.01)**
[25] EN
[54] **THERMAL SENSOR**
[54] **CAPTEUR THERMIQUE**
[72] DING, ZHONGFEN, US
[72] RHEAUME, JONATHAN, US
[72] HUGENER-CAMPBELL, THERESA, US
[73] KIDDE TECHNOLOGIES, INC., US
[86] (2894045)
[87] (2894045)
[22] 2015-06-09
[30] US (14/308,214) 2014-06-18

[11] **2,895,867**
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[51] **Int.Cl. C12P 13/00 (2006.01) C12N 9/00 (2006.01) C12N 9/10 (2006.01) C12N 9/12 (2006.01) C12N 15/52 (2006.01)**
[25] EN
[54] **PRODUCING AMINES AND DIAMINES FROM A CARBOXYLIC ACID OR DICARBOXYLIC ACID OR A MONOESTER THEREOF**
[54] **PREPARATION D'AMINES ET DE DIAMINES A PARTIR D'UN ACIDE CARBOXYLIQUE, D'UN ACIDE DICARBOXYLIQUE OU D'UN MONOESTER DE CES DERNIERS**
[72] SCHAFFER, STEFFEN, DE
[72] WESSEL, MIRJA, DE
[72] HENNEMANN, HANS-GEORG, DE
[72] HAGER, HARALD, DE
[72] VOLLAND, MICHAEL, DE
[72] ROOS, MARTIN, DE
[72] CORTHALS, JASMIN, DE
[73] EVONIK OPERATIONS GMBH, DE
[85] 2015-06-19
[86] 2013-12-18 (PCT/EP2013/077069)
[87] (WO2014/095986)
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[51] **Int.Cl. G06F 21/57 (2013.01)**
[25] EN
[54] **AUTOMATED SECURITY ASSESSMENT OF BUSINESS-CRITICAL SYSTEMS AND APPLICATIONS**
[54] **ESTIMATION DE SECURITE AUTOMATISEE D'APPLICATIONS ET DE SYSTEMES COMMERCIAUX CRITIQUES**
[72] NUNEZ DI CROCE, MARIANO, AR
[73] ONAPSIS S.R.L., AR
[86] (2895957)
[87] (2895957)
[22] 2011-07-01
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[13] C
[51] **Int.Cl. B67D 1/08 (2006.01) B67D 3/02 (2006.01) F25D 11/00 (2006.01)**
[25] EN
[54] **CHILLED FOOD PRODUCT DISPENSER AND METHOD WITH ADAPTIVE CONTROL OF REFRIGERATION SYSTEM**
[54] **DISTRIBUTEUR DE PRODUIT ALIMENTAIRE REFRIGERE ET PROCEDE AVEC COMMANDE ADAPTATIVE DU SYSTEME DE REFRIGERATION**
[72] ELSOM, KYLE B., US
[72] QUANDT, JAMES A., US
[73] H. C. DUKE & SON LLC, US
[85] 2015-06-30
[86] 2014-02-04 (PCT/US2014/014557)
[87] (WO2014/123842)
[30] US (61/761,616) 2013-02-06

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[13] C
[51] **Int.Cl. A61M 39/02 (2006.01) A61B 17/34 (2006.01)**
[25] EN
[54] **LOW-PROFILE ACCESS PORT**
[54] **ORIFICE D'ACCES SURBAISSE**
[72] STATS, JASON R., US
[72] HAMATAKE, BRET, US
[72] HIBDON, DWIGHT T., US
[72] CHRISTIAN, KELLY J., US
[72] OROME, AMIR, US
[72] SNYDER, SCOTT WALTER, US
[73] C.R. BARD, INC., US
[85] 2015-07-03
[86] 2014-01-23 (PCT/US2014/012721)
[87] (WO2014/116810)
[30] US (61/755,913) 2013-01-23

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[13] C
[51] **Int.Cl. B62D 63/08 (2006.01) B60R 9/00 (2006.01)**
[25] EN
[54] **TRAILER STORAGE BOX**
[54] **BOITE DE RANGEMENT DE REMORQUE**
[72] HILL, STEVEN, CA
[73] HILL, STEVEN, CA
[86] (2898299)
[87] (2898299)
[22] 2015-07-23
[30] US (14/806,628) 2015-07-22

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[13] C
[51] **Int.Cl. F02B 63/04 (2006.01) F01P 3/18 (2006.01) F01P 5/02 (2006.01) H02K 7/18 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **ENGINE SYSTEM**
[54] **MECANISME DE MOTEUR**
[72] IKEDA, TOMOYUKI, JP
[72] ABE, SATOSHI, JP
[72] TAHARA, YOSUKE, JP
[73] YANMAR CO., LTD., JP
[86] (2898820)
[87] (2898820)
[22] 2015-07-29
[30] JP (2014-159293) 2014-08-05

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[13] C
[51] **Int.Cl. G01N 29/44 (2006.01) G01S 15/88 (2006.01)**
[25] EN
[54] **SYNTHETIC DATA COLLECTION METHOD FOR FULL MATRIX CAPTURE USING AN ULTRASOUND ARRAY**
[54] **PROCEDE DE RECUEIL DE DONNEES SYNTHETIQUES POUR CAPTURE EN MATRICE COMPLETE A L'AIDE D'UN RESEAU ULTRASONORE**
[72] YOUNGHOUSE, STEVEN J., US
[72] MACLAUCHLAN, DANIEL T., US
[72] BORCHERS, NICHOLAS J., US
[73] BWXT TECHNICAL SERVICES GROUP, INC., US
[85] 2015-08-06
[86] 2014-01-21 (PCT/US2014/012349)
[87] (WO2014/123689)
[30] US (13/760,172) 2013-02-06

[11] **2,902,439**
[13] C
[51] **Int.Cl. H04W 24/08 (2009.01)**
[25] EN
[54] **BANDWIDTH ESTIMATION BASED ON LOCATION IN A WIRELESS NETWORK**
[54] **ESTIMATION DE BANDE PASSANTE BASEE SUR LA LOCALISATION DANS UN RESEAU SANS FIL**
[72] KALKUNTE, VENKAT, US
[72] BATHIJA, PRAVIN, US
[73] VIVINT, INC, US
[85] 2015-08-24
[86] 2014-03-06 (PCT/US2014/021016)
[87] (WO2014/149814)
[30] US (61/793,415) 2013-03-15

[11] **2,903,238**
[13] C
[51] **Int.Cl. F04B 17/00 (2006.01) F04B 49/06 (2006.01) F04B 53/10 (2006.01) F16K 31/02 (2006.01) H02P 7/00 (2016.01)**
[25] EN
[54] **CONTROL CIRCUITS FOR ELECTROCHEMICAL PUMP WITH E-VALVES**
[54] **CIRCUITS DE COMMANDE POUR POMPE ELECTROCHIMIQUE DOTEE DE VANNE TROIS VOIES**
[72] LEONCZYK, ANDREW, US
[72] DURFEE, DAVID, US
[72] CROTEAU, ROLAND, US
[72] SAILLANT, PRESTOR, US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (2903238)
[87] (2903238)
[22] 2015-09-04
[30] US (14/499,072) 2014-09-26

[11] **2,904,408**
[13] C
[51] **Int.Cl. C12N 15/82 (2006.01) C12N 15/113 (2010.01) A01H 5/00 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **PLANT REGULATORY ELEMENTS AND USES THEREOF**
[54] **ELEMENTS DE REGULATION DES PLANTES ET LEURS UTILISATIONS**
[72] CHITTOOR, JAISHREE M., US
[72] MIYAMOTO, AMY J., US
[72] NICHOLS, AMY M., US
[72] OUFATTOLE, MOHAMMED, US
[72] PETERSEN, MICHAEL W., US
[73] MONSANTO TECHNOLOGY LLC, US
[85] 2015-09-04
[86] 2014-03-11 (PCT/US2014/023648)
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[30] US (61/785,268) 2013-03-14

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[13] C
[51] **Int.Cl. G03G 15/08 (2006.01)**
[25] EN
[54] **POWDER CONTAINER AND IMAGE FORMING APPARATUS**
[54] **RECIPIENT DE POUDRE ET APPAREIL DE FORMATION D'IMAGE**
[72] KIKUCHI, KENJI, JP
[72] TAMAKI, SHINJI, JP
[72] HOSOKAWA, HIROSHI, JP
[72] KATOH, SHUNJI, JP
[72] SUZUKI, MICHIHARU, JP
[72] YOSHIZAWA, HIDEO, JP
[72] KUBOKI, SHINGO, JP
[73] RICOH COMPANY, LIMITED, JP
[85] 2015-09-08
[86] 2014-03-14 (PCT/JP2014/057949)
[87] (WO2014/142362)
[30] JP (2013-054371) 2013-03-15
[30] JP (2013-054372) 2013-03-15
[30] JP (2013-110330) 2013-05-24
[30] JP (2013-110443) 2013-05-24
[30] JP (2013-146882) 2013-07-12
[30] JP (2013-153815) 2013-07-24
[30] JP (2013-244411) 2013-11-26
[30] JP (2014-019469) 2014-02-04

[11] **2,905,637**
[13] C
[51] **Int.Cl. A61B 5/00 (2006.01) G16H 50/20 (2018.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND COMPUTER-READABLE MEDIA FOR IDENTIFYING WHEN A SUBJECT IS LIKELY TO BE AFFECTED BY A MEDICAL CONDITION**
[54] **SYSTEMES, PROCEDES, ET SUPPORTS LISIBLES PAR ORDINATEUR POUR IDENTIFIER A QUEL MOMENT UN SUJET EST SUSCEPTIBLE D'ETRE AFFECTE PAR UNE CONDITION MEDICALE**
[72] GELBMAN, DEKEL, US
[72] KARLINSKY, LEONID, IL
[72] GUROVICH, YARON, US
[73] FDNA INC., VG
[73] FDNA (UK) LIMITED, GB
[85] 2015-09-11
[86] 2014-03-12 (PCT/IB2014/001235)
[87] (WO2014/140926)
[30] US (61/778,450) 2013-03-13

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[13] C
[51] **Int.Cl. B62D 37/02 (2006.01) B62D 35/00 (2006.01) B65B 5/00 (2006.01)**
[25] EN
[54] **MODULAR AERODYNAMIC SKIRT ASSEMBLY**
[54] **ASSEMBLAGE DE JUPE AERODYNAMIQUE MODULAIRE**
[72] BASSILY, GEORGES, CA
[72] KANTHARAJU, SWAROOP, CA
[72] BOIVIN, MATHIEU, CA
[73] TRANSTEX INC., CA
[86] (2905657)
[87] (2905657)
[22] 2015-09-30
[30] US (14/870,889) 2015-09-30
[30] CA (62/058,341) 2014-10-01

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[13] C
[51] **Int.Cl. A61B 5/055 (2006.01) G01R 33/50 (2006.01)**
[25] EN
[54] **MEDICAL MR IMAGING WITH CORRECTED T1 DATA IN PRESENCE OF ELEVATED IRON.**
[54] **IMAGERIE PAR RESONANCE MAGNETIQUE MEDICALE AVEC DONNEES T1 CORRIGEES EN PRESENCE D'UN TAUX ELEVE DE FER.**
[72] TUNNICLIFFE, ELIZABETH, GB
[72] ROBSON, MATTHEW, GB
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[73] OXFORD UNIVERSITY INNOVATION LIMITED, GB
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[54] **ENSEMBLES ET TROUSSES D'AIGUILLES INTRA-OSSEUSES**
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[72] TITKEMEYER, ROBERT, W., US
[72] MORGAN, JOHN, US
[72] KILCOIN, CHRIS, US
[73] TELEFLEX LIFE SCIENCES LIMITED, MT
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[25] EN
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[54] **FORMULATION D'ACETATE D'ABIRATERONE**
[72] BOSCH, H. WILLIAM, US
[72] NORRET, MARCK, US
[72] NEMETH, PAUL, US
[72] CALLAHAN, MATT, US
[73] SUN PHARMACEUTICAL INDUSTRIES LIMITED, IN
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[25] FR
[54] **PROCESS AND FACILITY FOR PURIFICATION OF EXHAUST GASES IN A MARINE SHIP ENGINE**
[54] **PROCEDE ET INSTALLATION D'EPURATION DES GAZ D'ECHAPPEMENT D'UN MOTEUR D'UN NAVIRE MARIN**
[72] TABARIES, FRANK, FR
[72] SIRET, BERNARD, FR
[73] LAB SA, FR
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[25] EN
[54] **RETAIL MANAGEMENT USING WIRELESS SENSOR NETWORKS**
[54] **GESTION D'ARTICLE AU DETAIL A L'AIDE DE RESEAUX DE CAPTEURS SANS FIL**
[72] RASBAND, PAUL BRENT, US
[73] SENSORMATIC ELECTRONICS LLC, US
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[54] **PROCESS FOR PRODUCING LOW ENDOTOXIN CHITOSAN**
[54] **PROCEDE POUR LA PRODUCTION DE CHITOSANE A FAIBLE TENEUR EN ENDOTOXINES**
[72] HARDY, CRAIG, GB
[72] HOGGARTH, ANDREW, GB
[72] GLADMAN, JUNE, GB
[73] MEDTRADE PRODUCTS LIMITED, GB
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[54] **DISPOSITIF DE DECONTAMINATION POUR MATERIEL MEDICAL**
[72] BARREAU, CHRISTOPHE, FR
[72] BERTRAND, ERIC, FR
[72] MACAIRE, PHILIPPE, AE
[72] CARPRIEAUX, JEAN-PAUL, FR
[73] L.B.A. CONSULTING, FR
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[54] **ASEPTIC MANIPULATION SYSTEM AND OBJECT-INTRODUCING METHOD FOR ASEPTIC MANIPULATION SYSTEM**
[54] **SYSTEME DE MANIPULATION ASEPTIQUE ET PROCEDE D'INTRODUCTION D'UN OBJET POUR UN SYSTEME DE MANIPULATION ASEPTIQUE**
[72] FUNAZUKA, TAKUYA, JP
[72] SHOMURA, MASAHARU, JP
[73] SHIBUYA CORPORATION, JP
[86] (2915476)
[87] (2915476)
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[54] **PROCEDE ET APPAREIL POUR L'EXECUTION DE COMMUNICATIONS DE DISPOSITIF A DISPOSITIF**
[72] AGIWAL, ANIL, IN
[72] CHANG, YOUNG-BIN, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
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[54] **BARRIERE A LA VAPEUR ADAPTATIVE**
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[72] JEOL, STEPHANE, US
[73] RHODIA OPERATIONS, FR
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[54] **SYSTEME DE FIXATION ELASTOMERE POUR DISPOSITIFS DE ROUE**
[72] STUCK, LARRY W., US
[72] VOGEL, COLIN GEHRIS, US
[72] TABONE, CHARLES JOSEPH, US
[73] HUTCHINSON S.A., FR
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[25] EN
[54] **BICYCLIC INHIBITORS OF PLASMA KALLIKREIN**
[54] **INHIBITEURS BICYCLIQUES DE KALLICREINE DE PLASMA**
[72] EDWARDS, HANNAH JOY, GB
[72] EVANS, DAVID MICHAEL, GB
[72] DAVIE, REBECCA LOUISE, GB
[72] ROOKER, DAVID PHILIP, GB
[72] HEWISON, STEVEN JOHN, GB
[73] KALVISTA PHARMACEUTICALS LIMITED, GB
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[54] **DETECTION AND MONITORING OF CAVITATION AT A FLOW CONTROL DEVICE**
[54] **DETECTION ET SURVEILLANCE D'UNE CAVITATION DANS UN DISPOSITIF DE CONTROLE DE DEBIT**
[72] ANDERSON, SHAWN W., US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
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[25] EN
[54] **BELLY-MOUNTED LOAD BEAM FOR AN AERIAL VEHICLE**
[54] **POUTRE DE CHARGE INSTALLEE SUR UN FLANC DESTINE A UN VEHICULE AERIEN**
[72] THOMAS, DEREK, CA
[72] YARNOLD, JEFF, CA
[73] BOOST HUMAN EXTERNAL CARGO SYSTEMS INC., CA
[86] (2921333)
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[54] **SELECTIVE GRP94 INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS SELECTIFS DE LA GRP94 ET LEURS UTILISATIONS**
[72] CHIOSIS, GABRIELA, US
[72] YAN, PENGRONG, US
[72] PATEL, PALLAV, US
[72] PATEL, HARDIK J., US
[72] TALDONE, TONY, US
[72] YANG, CHENGHUA, US
[72] SUN, WEILIN, US
[72] OCHIANA, STEFAN O., US
[73] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
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[25] EN
[54] **SOLID-STATE BATTERY IN WHICH LITHIUM IONS ARE RESPONSIBLE FOR ELECTRICAL CONDUCTION**
[54] **BATTERIE A SEMICONDUCTEURS DANS LAQUELLE LES IONS DE LITHIUM SONT RESPONSABLES DE LA CONDUCTION ELECTRIQUE**
[72] NOGAMI, GENKI, JP
[72] TANIGUCHI, MITSUGU, JP
[72] UNEMOTO, ATSUSHI, JP
[72] MATSUO, MOTOAKI, JP
[72] ORIMO, SHINICHI, JP
[73] MITSUBISHI GAS CHEMICAL COMPANY, INC., JP
[73] TOHOKU TECHNO ARCH CO., LTD., JP
[85] 2016-02-24
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[54] **MINERAL BREAKER**
[54] **CONCASSEUR DE MINERAUX**
[72] BARBER, RICHARD PAUL, GB
[73] MMD DESIGN & CONSULTANCY LIMITED, GB
[85] 2016-02-26
[86] 2014-08-29 (PCT/GB2014/052617)
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[54] **BIOMARKERS FOR TUBERCULOSIS**
[54] **BIOMARQUEURS POUR LA TUBERCULOSE**
[72] SUTHERLAND, JAYNE, GM
[73] UNITED KINGDOM RESEARCH AND INNOVATION, GB
[85] 2016-03-15
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[51] **Int.Cl. B61H 13/00 (2006.01)**
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[54] **MANUAL BRAKE RELEASE MECHANISM FOR RAIL VEHICLES**
[54] **MECANISME DE DESSERRAGE MANUEL DES FREINS POUR VEHICULES FERROVIAIRES**
[72] KOZIOL, MICHAEL, US
[72] PLEGGE, RICHARD WAYNE, US
[72] GREGAR, PETER P., US
[73] WABTEC HOLDING CORP., US
[85] 2016-03-16
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[30] US (61/885,599) 2013-10-02
[30] US (14/503,850) 2014-10-01

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[54] **PASSIVE WIRELESS SENSOR**
[54] **CAPTEUR PASSIF SANS FIL**
[72] JOSHI, SHRINIVAS G., US
[72] SAIKIA, MEGHNA, US
[73] MARQUETTE UNIVERSITY, US
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[30] US (61/891,582) 2013-10-16

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[25] EN
[54] **SYSTEMS AND METHODS OF TREATMENT USING INTERVENTION AND TASKING DETERMINATION**
[54] **SYSTEMES ET METHODES DE TRAITEMENT PAR DETERMINATION D'INTERVENTION ET D'ATTRIBUTION**
[72] LO, STEVEN, US
[72] PENAKE, DAVID, US
[72] LYONS, JOHN, US
[72] TULLY, KATE, US
[72] WAIDNER, KATHERINE, US
[73] CORCEPT THERAPEUTICS, INC., US
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[86] 2014-09-22 (PCT/US2014/056830)
[87] (WO2015/042544)
[30] US (61/880,785) 2013-09-20

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[51] **Int.Cl. F23R 3/04 (2006.01)**
[25] FR
[54] **TURBOMACHINE COMBUSTION CHAMBER PROVIDED WITH AIR DEFLECTION MEANS FOR REDUCING THE WAKE CREATED BY AN IGNITION PLUG**
[54] **CHAMBRE DE COMBUSTION DE TURBOMACHINE POURVUE DE MOYENS DE DEFLECTION D'AIR POUR REDUIRE LE SILLAGE CREE PAR UNE BOUGIE D'ALLUMAGE**
[72] LEGLAYE, FRANCOIS, FR
[72] BIDART, OLIVIER, FR
[72] PIREYRE, PIERRE-FRANCOIS, FR
[72] PIEUSSERGUES, CHRISTOPHE, FR
[73] SNECMA, FR
[85] 2016-03-29
[86] 2014-10-02 (PCT/FR2014/052500)
[87] (WO2015/049468)
[30] FR (13 59659) 2013-10-04

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[51] **Int.Cl. E05F 3/20 (2006.01) E05F 1/12 (2006.01)**
[25] EN
[54] **HINGE DEVICE FOR DOORS, SHUTTERS OR THE LIKE**
[54] **DISPOSITIF DE CHARNIERE POUR PORTES, VOLETS OU ANALOGUES**
[72] BACCHETTI, LUCIANO, IT
[73] IN & TEC S.R.L., IT
[85] 2016-03-29
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[87] (WO2015/049672)
[30] IT (VI2013A000245) 2013-10-04

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[25] EN
[54] **SYSTEMS AND METHODS FOR MOUNTING A FUEL SYSTEM**
[54] **SYSTEMES ET PROCEDES D'INSTALLATION D'UN SYSTEME D'ALIMENTATION EN CARBURANT**
[72] FORSBERG, CHRIS, CA
[72] SLOAN, TODD, CA
[73] AGILITY FUEL SYSTEMS LLC, US
[85] 2016-04-04
[86] 2013-10-18 (PCT/US2013/065625)
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[30] US (61/716,470) 2012-10-19

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[13] C
[51] **Int.Cl. B65G 23/08 (2006.01) B65G 39/07 (2006.01)**
[25] EN
[54] **MOTORISED ROLLER FOR BELT CONVEYOR HAVING HIGH FRICTION IN RESPECT OF THE BELT**
[54] **ROULEAU MOTORISE POUR TRANSPORTEUR A COURROIE PRESENTANT UN FROTTEMENT ELEVE PAR RAPPORT A LA COURROIE**
[72] CRIBIU', LUCA, IT
[73] CRIZAF S.R.L., IT
[85] 2016-04-08
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[87] (WO2015/055685)
[30] IT (MI2013U 000354) 2013-10-15

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[51] **Int.Cl. C22C 18/00 (2006.01) C22C 18/02 (2006.01) E04D 13/15 (2006.01)**
[25] EN
[54] **PATTERNED ROLLED ZINC ALLOY SHEET**
[54] **FEUILLE LAMINEE A MOTIF EN ALLIAGE DE ZINC**
[72] MANOV, STEPHAN, FR
[72] BISSERY, CHRISTOPHE, FR
[73] UMICORE BUILDING PRODUCTS FRANCE, FR
[85] 2016-04-14
[86] 2014-10-31 (PCT/EP2014/073476)
[87] (WO2015/063274)
[30] EP (13290265.1) 2013-10-31

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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/05 (2006.01) A61P 25/18 (2006.01) A61P 25/22 (2006.01)**
[25] EN
[54] **COMPRESSED TABLET CONTAINING CANNABIDIOL, METHOD FOR ITS MANUFACTURE AND USE OF SUCH TABLET IN ORAL TREATMENT OF PSYCHOSIS OR ANXIETY DISORDERS**
[54] **PASTILLE COMPRIMEE COMPRENANT DU CANNABIDIOL, SON PROCEDE DE FABRICATION, ET UTILISATION D'UNE TELLE PASTILLE POUR LE TRAITEMENT ORAL DE TROUBLES DE PSYCHOSE OU D'ANXIETE**
[72] DE VRIES, JAN ALBERT, NL
[72] FERNANDEZ CID, MARIA VANESA, NL
[72] HEREDIA LOPEZ, ANA MARIA, NL
[72] EIROA MARTINEZ, CRISTINA MARIA, NL
[73] ECHO PHARMACEUTICALS B.V., NL
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[87] (WO2015/065179)
[30] EP (13190587.9) 2013-10-29

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[13] C
[51] **Int.Cl. E04G 25/04 (2006.01) G01L 5/00 (2006.01)**
[25] EN
[54] **A SYSTEM FOR MONITORING CONDITION OF ADJUSTABLE CONSTRUCTION TEMPORARY SUPPORTS**
[54] **SYSTEME DE SURVEILLANCE DE L'ETAT DE SUPPORTS TEMPORAIRES DE CONSTRUCTION REGLABLES**
[72] LAM, CHI HUNG LOUIS, CN
[72] LAM, CHUN YU RONALD, CN
[73] LAM, CHI HUNG LOUIS, CN
[73] LAM, CHUN YU RONALD, CN
[85] 2016-05-06
[86] 2013-11-15 (PCT/CA2013/000967)
[87] (WO2015/070312)

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[25] EN
[54] **METHODS OF PREPARING INHIBITORS OF INFLUENZA VIRUSES REPLICATION**
[54] **PROCEDES DE PREPARATION D'INHIBITEURS DE LA REPLICATION DES VIRUS DE LA GRIPPE**
[72] TANOURY, GERALD J., US
[72] NUGENT, WILLIAM ALOYSIUS, US
[72] DVORNIKOVS, VADIMS, US
[72] ROSE, PETER JAMISON, US
[73] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2016-05-10
[86] 2014-11-12 (PCT/US2014/065121)
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[30] US (61/903,893) 2013-11-13

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[51] **Int.Cl. G01J 11/00 (2006.01) G01J 3/42 (2006.01) G01N 9/24 (2006.01) G01N 21/41 (2006.01)**
[25] EN
[54] **SYSTEM FOR DETERMINING AT LEAST ONE PROPERTY OF A SHEET DIELECTRIC SAMPLE USING TERAHERTZ RADIATION**
[54] **SYSTEME POUR DETERMINER AU MOINS UNE PROPRIETE D'UN ECHANTILLON DIELECTRIQUE DE FEUILLE A L'AIDE D'UN RAYONNEMENT TERAHERTZ**
[72] ZIMDARS, DAVID, US
[72] WHITE, JEFFREY S., US
[72] WILLIAMSON, STEVEN, US
[72] DULING, IRL, US
[73] LUNA INNOVATIONS INCORPORATED, US
[85] 2016-05-11
[86] 2014-11-14 (PCT/US2014/065677)
[87] (WO2015/073807)
[30] US (61/904,787) 2013-11-15

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[25] EN
[54] **BEARING HAVING COMPONENTS FABRICATED FROM A ALMGB14 CONTAINING CERAMIC MATRIX COMPOSITE**
[54] **PALIER AYANT DES COMPOSANTS FABRIQUES A PARTIR D'UN COMPOSITE A MATRICE CERAMIQUE CONTENANT ALMGB14**
[72] SEARS, JAMES WILLIAM, US
[72] GHANIME, GEORGE HANNA, US
[72] FISHER, KENNETH LEE, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2016-05-12
[86] 2014-11-04 (PCT/US2014/063814)
[87] (WO2015/116272)
[30] US (14/085,894) 2013-11-21

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[13] C
[51] **Int.Cl. A01N 57/20 (2006.01) A01N 25/32 (2006.01) A01N 33/12 (2006.01) A01N 39/04 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **SYNERGISTIC HERBICIDAL WEED CONTROL AND IMPROVED CROP TOLERANCE FROM COMBINATIONS OF 2,4-D-CHOLINE AND GLUFOSINATE IN 2,4-D- AND GLUFOSINATE-TOLERANT SOYBEANS, CORN, COTTON**
[54] **DESHERBAGE HERBICIDE SYNERGIQUE ET TOLERANCE AMELIOREE DE COMBINAISONS DE 2,4-D-CHOLINE ET DE GLUFOSINATE DANS DES SOJAS, DU MAIS ET DU COTON TOLERANTS AU 2,4-D ET AU GLUFOSINATE**
[72] MANN, RICHARD K., US
[72] PETERSON, MARK, US
[72] WRIGHT, TERRY R., US
[72] MCMASTER, STEVE, US
[72] SORRIBAS AMELA, MONICA, US
[73] CORTEVA AGRISCIENCE LLC, US
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[25] EN
[54] **SUBSTITUTED (4'-HYDROXYPHENYL)CYCLOALKANE COMPOUNDS AND USES THEREOF AS SELECTIVE AGONISTS OF THE ESTROGEN RECEPTOR BETA ISOFORM**
[54] **COMPOSES SUBSTITUES DE (4'-HYDROXYPHENYL)CYCLOALKANE ET LEURS UTILISATIONS EN TANT QU'AGONISTES SELECTIFS DE L'ISOFORME BETA DU RECEPTEUR D'OESTROGENES**
[72] DONALDSON, WILLIAM A., US
[72] SEM, DANIEL S., US
[72] NEUMANN, TERRENCE S., US
[73] MARQUETTE UNIVERSITY, US
[73] CONCORDIA UNIVERSITY, INC., US
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[54] **PROCESS SYSTEMS AND METHODS FOR CUTTING TRUE WITH A BANDSAW**
[54] **SYSTEMES DE TRAITEMENT ET METHODES DE COUPE AU MOYEN D'UNE SCIE A RUBAN**
[72] MYRFIELD, WARREN L., JR., US
[73] MYRFIELD, WARREN L., JR., US
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[54] **PROCEDE ET SYSTEME DE FORAGE ORIENTABLE**
[72] DWARS, SICCO, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[54] **METHOD FOR DREDGING AN UNDERWATER BOTTOM IN AN AREA USING A DREDGING DEVICE**
[54] **PROCEDE POUR DRAGUER UN FOND SOUS-MARIN DANS UNE ZONE A L'AIDE D'UN DISPOSITIF DE DRAGAGE**
[72] VERSTRAELEN, LUK, BE
[72] MOL, ARJAN CORNELIS SYBREN, NL
[73] BAGGERWERKEN DECLOEDT EN ZOON, BE
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[54] **TURBOMACHINE COMPONENT WITH NON-AXISYMMETRIC SURFACE**
[54] **PIECE DE TURBOMACHINE A SURFACE NON-AXISYMETRIQUE**
[72] LUKOWSKI, BENJAMIN, FR
[72] BERNARDOS-CHAMAGNE, ESTEBAN, FR
[72] VOLLEBREGT, MATTHIEU JEAN LUC, FR
[73] SNECMA, FR
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[54] **BOOSTERS FOR BREAKERS CONTAINING IRON COMPOUNDS**
[54] **RENFORCATEURS POUR BRISEURS CONTENANT DES COMPOSES DU FER**
[72] LI, JIANG, US
[72] TELLAKULA, ROOPA, US
[73] KEMIRA OYJ, FI
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[54] **MULTIPLE-FIRING CRIMP DEVICE**
[54] **DISPOSITIF DE SERTISSAGE A DECLENCHEMENT MULTIPLE**
[72] SMITH, KEVIN W., US
[72] MENDEZ, MAX PIERRE, US
[72] PALMER, MATTHEW A., US
[72] MCBRAYER, M. SEAN, US
[72] BALES, THOMAS O., JR., US
[72] DEVILLE, DEREK DEE, US
[72] CARTLEDGE, RICHARD, US
[72] KLINE, KOREY, US
[72] RIVERA, CARLOS, US
[72] NUNEZ, GEORGE, US
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[54] **CONTAINER**
[54] **CONTENANT**
[72] JOWETT, LEIGH, GB
[72] BACON, MATTHEW, GB
[73] LOADHOG LIMITED, GB
[85] 2016-06-28
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[54] **AN IMPROVED LOAD-INDICATING DEVICE**
[54] **DISPOSITIF D'INDICATION DE CHARGE PERFECTIONNE**
[72] CENEY, STANLEY, GB
[73] TENSCON LIMITED, GB
[85] 2016-07-04
[86] 2014-01-06 (PCT/GB2014/050018)
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[25] EN
[54] **METHOD FOR OPTOTYPE REPRESENTATION, OPTOTYPE REPRESENTATION, CORRESPONDING USE AND IMAGE OUTPUT DEVICE**
[54] **PROCEDE DE PRESENTATION D'OPTOTYPES, PRESENTATION D'OPTOTYPES, UTILISATION ET APPAREIL DE SORTIE D'IMAGE ASSOCIES**
[72] KALDER, DIETER, DE
[72] PASSMANN, FRITZ, DE
[73] IPRO GMBH, DE
[73] KALDER, DIETER, DE
[73] PASSMANN, FRITZ, DE
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[54] **CONTAINER AND LID LOCKING MECHANISM THEREOF**
[54] **CONTENANT ET MECANISME DE BLOCAGE DE COUVERCLE ASSOCIE**
[72] JIAN, YUANLI, CN
[72] GONG, KAI, CN
[73] SHANGHAI HONGYAN RETURNABLE TRANSIT PACKAGINGS CO., LTD., CN
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[54] **TURBINE ENGINE PROVIDED WITH A LUBRICATION UNIT**
[54] **TURBOMACHINE EQUIPEE D'UN GROUPE DE LUBRIFICATION**
[72] GOMANNE, BENOIT JEAN HENRI, FR
[72] BRAULT, MICHEL GILBERT ROLAND, FR
[72] CHAUVEAU, THOMAS, FR
[72] WAISSI, BELLAL, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
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[25] FR
[54] **CONJUGATES AND PRODRUGS FOR TREATING OF CANCER AND INFLAMMATORY DISEASES**
[54] **CONJUGUES ET PRO-DROGUES POUR LE TRAITEMENT DU CANCER ET DE MALADIES INFLAMMATOIRES**
[72] PAPOT, SEBASTIEN, FR
[72] OPALINSKI, ISABELLE, FR
[72] RENOUX, BRIGITTE, FR
[72] LEGIGAN, THIBAUT, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] UNIVERSITE DE POITIERS, FR
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[54] **METHOD FOR PROVIDING LUMINESCENT MARKINGS COMPRISING GROUND GLASS PARTICLES HAVING AN IRREGULAR OUTER SURFACE**
[54] **METHODE VISANT A FOURNIR DES MARQUAGES LUMINESCENTS COMPRENANT DES PARTICULES DE VERRE DEPOLI AYANT UNE SURFACE EXTERIEURE IRREGULIERE**
[72] LANGTRY, DAVID, CA
[73] PATENT APPLIED TECHNOLOGY, CA
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[87] (2938523)
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[54] **AUGMENTED AND VIRTUAL REALITY BASED PROCESS OVERSIGHT**
[54] **REALITE AUGMENTEE ET VIRTUELLE FONDEE SUR LA SURVEILLANCE DU PROCEDE**
[72] MORETTI, CHRISTIANNE, CA
[72] PRYOR, JAMES ZACHARY, CA
[72] HAMILTON, MATTHEW, CA
[72] BARNETT, JONATHAN K., CA
[72] CHAN, PAUL MON-WAH, CA
[72] DEL VECCHIO, ORIN, CA
[72] BARBON, JOHN, CA
[72] LEE, JOHN JONG-SUK, CA
[73] THE TORONTO-DOMINION BANK, CA
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[54] **FARINE DE BLE CONDITIONNEE**
[72] YOSHIOKA, YASUYUKI, JP
[72] OMURA, MASATO, JP
[72] SAKAKIBARA, MICHIHIRO, JP
[73] NISSHIN FOODS INC., JP
[85] 2016-08-05
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[30] JP (2014-023463) 2014-02-10
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[25] EN
[54] **SELF-SUPPORTING BI-DIRECTIONAL CORRUGATED MESH LEAF PRECLUSION DEVICE**
[54] **DISPOSITIF DE PRECLUSION DE FEUILLE A MAILLAGE ONDULE BIDIRECTIONNEL AUTOPORTANT**
[72] LENNEY, ROBERT C., US
[73] GUTTERGLOVE, INC., US
[85] 2016-08-10
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[54] **PHOSPHATE RECOVERY BY ACID RETARDATION**
[54] **RECUPERATION DE PHOSPHATE PAR RETARD D'ACIDE**
[72] HIGGS, JUSTIN W., US
[72] MALLMANN, THOMAS KENNETH, US
[72] WORKMAN, KENNETH RAY, US
[73] EVOQUA WATER TECHNOLOGIES LLC, US
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[54] **PLATE-TYPE HEAT EXCHANGER AND METHOD FOR PRODUCING SAME**
[54] **ECHANGEUR DE CHALEUR A PLAQUES ET SON PROCEDE DE FABRICATION**
[72] SUGAMA, ATSUSHI, JP
[72] OKU, MANABU, JP
[72] HORI, YOSHIAKI, JP
[72] IMAKAWA, KAZUNARI, JP
[73] NISSHIN STEEL CO., LTD., JP
[85] 2016-08-15
[86] 2015-02-18 (PCT/JP2015/054465)
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[51] **Int.Cl. G01V 3/40 (2006.01) H02J 13/00 (2006.01)**
[25] FR
[54] **DETERMINING THE SEVERITY OF A GEOMAGNETIC DISTURBANCE ON AN ELECTRICAL NETWORK USING MEASURES OF SIMILARITY**
[54] **DETERMINER LA SEVERITE D'UNE PERTURBATION GEOMAGNETIQUE SUR UN RESEAU ELECTRIQUE A L'AIDE DE MESURES DE SIMILARITE**
[72] BASU, CHUMKI, IN
[72] BELAND, JEAN, CA
[72] GUILLON, SEBASTIEN, CA
[72] KAMWA, INNOCENT, CA
[73] HYDRO-QUEBEC, CA
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[86] (2940380)
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[25] EN
[54] **HYBRID CONCRETE - COMPOSITE TOWER FOR A WIND TURBINE AND METHOD OF MANUFACTURING**
[54] **BETON HYBRIDE, TOUR COMPOSITE POUR UNE EOLIENNE ET METHODE DE FABRICATION**
[72] VISELLI, ANTHONY M., US
[72] DAGHER, HABIB J., US
[73] UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES, US
[85] 2016-08-26
[86] 2015-03-02 (PCT/US2015/018256)
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[54] **METHOD OF REPORTING RUNWAY CONDITION USING BRAKE CONTROL SYSTEM**
[54] **PROCEDE DE SIGNALISATION DE CONDITION DE PISTE DE ROULEMENT A L'AIDE D'UN SYSTEME DE COMMANDE DE FREIN**
[72] RABY, RONALD, US
[72] GOWAN, JOHN, US
[72] BUTTERFIELD, GREGG DUANE, US
[73] HYDRO-AIRE, INC., US
[85] 2016-08-29
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[30] US (61/949,889) 2014-03-07
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[54] **INK RIBBON, INK RIBBON CASSETTE AND PRINTER**
[54] **RUBAN D'ENCRE, CASSETTE DE RUBAN D'ENCRE ET IMPRIMANTE**
[72] EHARA, TAKAYUKI, JP
[72] SUDO, HIROAKI, JP
[73] MAX CO., LTD., JP
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[87] (2941264)
[22] 2016-09-07
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[25] EN
[54] **CIRCUIT BOARD PAD LAYOUT AND MECHANICAL RETAINER**
[54] **DISPOSITION DE COUSSINET DE CIRCUIT IMPRIME ET DISPOSITIF DE FIXATION MECANIQUE**
[72] SIZEMORE, DONALD MARK, US
[72] KEIM, CURTIS RYLEE, US
[72] PARRY, NICHOLAS DANIEL, US
[72] BROWN, THOMAS CURTIS, US
[72] SONDEREGGER, MARK JUSTIN, CA
[73] ROSS VIDEO LIMITED, CA
[86] (2941284)
[87] (2941284)
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[25] EN
[54] **RETRACTABLE HINGED SHELF DISPLAY**
[54] **PRESENTOIR A TABLETTE A CHARNIERE RETRACTABLE**
[72] TURNER, CHRISTOPHER J., US
[72] FLUEGGE, CRAIG A., US
[73] RETAIL SPACE SOLUTIONS LLC, US
[86] (2941470)
[87] (2941470)
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[25] EN
[54] **SAFLUFENACIL, FLUMIOXAZIN, AND 2,4-D WEED CONTROL COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE DESHERBAGE A BASE DE SAFLUFENACIL, DE FLUMIOXAZINE, ET D'ACIDE 2,4-DICHLOROPHENOXYACETIQUE ET LEURS PROCEDES D'UTILISATION**
[72] KIRKPATRICK, MATTHEW TERRENCE, US
[72] PAWLAK, JOHN ANDREW, US
[73] VALENT U.S.A. CORPORATION, US
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[54] **SHOCK ABSORBER**
[54] **AMORTISSEUR**
[72] ANDO, KAZUMA, JP
[72] OHTA, YASUTAKA, JP
[72] TAKAMI, KOJI, JP
[73] KYB CORPORATION, JP
[73] HONDA MOTOR CO., LTD., JP
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[54] **A PROCESS FOR PREPARATION OF HIGH FLASH POINT FROTHING AGENT**
[54] **PROCEDE DE PREPARATION D'AGENT MOUSSANT A HAUT POINT D'ECLAIR**
[72] GADHE, RAVINDRA, IN
[72] PAGAR, SHANUL, IN
[72] SRIVASTAVA, SANGEETA, IN
[73] GODAVARI BIOREFINERIES LIMITED, IN
[85] 2016-09-13
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[30] IN (837/MUM/2014) 2014-03-28

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[25] FR
[54] **GLUING COMPOSITION BASED ON NON-REDUCING SACCHARIDE AND HYDROGENATED SACCHARIDE, AND INSULATING PRODUCTS OBTAINED**
[54] **COMPOSITION D'ENCOLLAGE A BASE DE SACCHARIDE NON REDUCTEUR ET DE SACCHARIDE HYDROGENE, ET PRODUITS ISOLANTS OBTENUS**
[72] OBERT, EDOUARD, FR
[72] KIEFER, LIONEL, FR
[72] KAPLAN, BENJAMIN, DE
[73] SAINT-GOBAIN ISOVER, FR
[85] 2016-09-14
[86] 2015-04-14 (PCT/FR2015/050994)
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[51] **Int.Cl. B64F 5/10 (2017.01) B25J 9/00 (2006.01) F16B 5/00 (2006.01)**
[25] FR
[54] **DEVICE FOR PRE-ASSEMBLING PARTS, WITH THE INSERTION OF MASTIC, AND PRE-ASSEMBLY METHOD**
[54] **DISPOSITIF DE PRE-ASSEMBLAGE DE PIECES AVEC INTERPOSITION DE MASTIC ET PROCEDE DE PRE-ASSEMBLAGE**
[72] GRATECAP, STEPHANE, FR
[72] MORAND, XAVIER, FR
[72] DUCOURNEAU, HERVE, FR
[73] STELIA AEROSPACE, FR
[85] 2016-09-26
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[30] FR (1453026) 2014-04-04

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[25] FR
[54] **POLYMERS AND THE USE THEREOF AS LUBRICATING AGENTS IN THE PRODUCTION OF ALKALI METAL FILMS**
[54] **POLYMERES ET LEUR UTILISATION COMME AGENTS LUBRIFIANTS DANS LA PRODUCTION DE FILMS DE METAUX ALCALINS**
[72] ZAGHIB, KARIM, CA
[72] ARMAND, MICHEL, FR
[72] BOUCHARD, PATRICK, CA
[72] VERREAULT, SERGE, CA
[72] HAMEL-PAQUET, JULIE, CA
[72] GIRARD, GABRIEL, CA
[73] HYDRO-QUEBEC, CA
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[54] **LIGHT EMISSION POWER CONTROL APPARATUS AND METHOD**
[54] **APPAREIL DE COMMANDE DE PUISSANCE D'EMISSION DE LUMIERE ET METHODE**
[72] MESHER, DAREL, CA
[73] TETRA TECH, INC., US
[86] (2945247)
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[54] **ION EXCHANGE PROCESS**
[54] **PROCEDE D'ECHANGE D'IONS**
[72] BEWSEY, JOHN ARTHUR, ZA
[73] TRAILBLAZER TECHNOLOGIES (PTY) LTD, ZA
[85] 2016-10-12
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[30] ZA (2014/02757) 2014-04-15

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[54] **CAPSULE FOR INFUSION PRODUCTS, IN PARTICULAR COFFEE**
[54] **CAPSULE POUR PRODUITS D'INFUSION, EN PARTICULIER DU CAFE**
[72] RONDELLI, RAFFAELE, IT
[73] MACCHIAVELLI S.R.L., IT
[85] 2016-10-14
[86] 2015-04-21 (PCT/IB2015/052908)
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[25] EN
[54] **METHOD OF FIGHTING MOLD, ALGAE AND OTHER MICROORGANISMS ON VARIOUS WALL, FLOOR OR CEILING SURFACES INFESTED THEREWITH, AND ON MASONRY IN GENERAL**
[54] **PROCEDE POUR LUTTER CONTRE LES MOISISSURES, LES ALGUES AINSI QUE D'AUTRES MICRO-ORGANISMES SUR DIFFERENTES SURFACES DE PAROI, DE PLANCHER OU DE PLAFOND AINSI QUE SUR DES MACONNERI ES EN GENERAL, ATTAQUEES PAR CES ORGANISMES**
[72] BRANDNER, GERHARD, AT
[73] BMB GEBAUDEHYGIENE GMBH, AT
[85] 2016-10-17
[86] 2015-04-08 (PCT/AT2015/050090)
[87] (WO2015/157786)
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[51] **Int.Cl. C08G 77/38 (2006.01) C08L 83/04 (2006.01) C10M 107/50 (2006.01)**
[25] EN
[54] **NEW MODIFIED SILICON OIL FOR LOW TEMPERATURE CURE DIE CASTING LUBRICANTS**
[54] **NOUVELLE HUILE MODIFIEE DE SILICIUM POUR LUBRIFIANTS DE MOULAGE SOUS PRESSION DURCISSANT A BASSE TEMPERATURE**
[72] KOK, DOUWE-MARTEN, NL
[72] SLAGT, MARTIJN QUICO, NL
[72] BRAAM, JOHANNES HENDRIKUS GERHARDUS FRANCISCUS, NL
[72] ODINK, GERRIT JAN, NL
[73] HENKEL AG & CO. KGAA, DE
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[25] EN
[54] **FRACTURE TREATMENT ANALYSIS BASED ON SEISMIC REFLECTION DATA**
[54] **ANALYSE DE TRAITEMENT DE FRACTURE SUR LA BASE DE DONNEES DE REFLEXION SISMIQUE**
[72] WALTERS, HAROLD GRAYSON, US
[72] RANJAN, PRIYESH, US
[72] SMITH, KEN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-10-17
[86] 2014-06-04 (PCT/US2014/040867)
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[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING FLAME EFFECT**
[54] **SYSTEME ET PROCEDE POUR PRODUIRE UN EFFET DE FLAMME**
[72] BLUM, STEVEN C., US
[72] CLARK, BENJAMIN ROBERT, US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2016-10-20
[86] 2015-04-08 (PCT/US2015/024991)
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[51] **Int.Cl. H01R 24/58 (2011.01) E21B 17/02 (2006.01) E21B 47/12 (2012.01) H01R 39/00 (2006.01)**
[25] EN
[54] **LATCHING ROTARY CONNECTOR SYSTEM**
[54] **SYSTEME DE RACCORD ROTATIF A LOQUET**
[72] PRATT, F. DALE, CA
[72] LAMBE, KENNETH A., CA
[73] EXTENSIVE ENERGY TECHNOLOGIES PARTNERSHIP, CA
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[54] **PROSTHETIC MITRAL OR TRICUSPID HEART VALVE**
[54] **PROTHESE DE VALVE CARDIAQUE MITRALE OU TRICUSPIDE**
[72] MODINE, THOMAS, FR
[73] VALMY HOLDING, FR
[85] 2016-11-17
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[51] **Int.Cl. G07B 15/04 (2006.01) G08G 1/017 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ACCESS CONTROL**
[54] **PROCEDE ET SYSTEME DE CONTROLE D'ACCES AUX VEHICULES**
[72] FINSCHI, LUKAS, CH
[73] INVENTIO AG, CH
[85] 2016-12-13
[86] 2015-07-23 (PCT/EP2015/066811)
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[25] EN
[54] **DETECTION OF HEMOLYSIS USING A CHROMATOGRAPHIC DETECTION PAD**
[54] **DETECTION D'HEMOLYSE A L'AIDE D'UN TAMPON DE DETECTION CHROMATOGRAPHIQUE**
[72] LEDDEN, DAVID J., US
[72] COX, JANINE A., US
[72] JASPERSE, JEFFREY R., US
[73] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2016-12-02
[86] 2015-06-08 (PCT/US2015/034672)
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[25] EN
[54] **HIGH INTEGRITY PRESSURE PROTECTING SYSTEM (HIPPS) FOR A FLUID LINE**
[54] **SYSTEME DE PROTECTION DE PRESSION A INTEGRITE ELEVEE (HIPPS) POUR UNE CONDUITE DE FLUIDE**
[72] ESVELDT, VINCENT, NL
[73] MOKVELD VALVES B.V., NL
[85] 2016-12-22
[86] 2015-06-01 (PCT/EP2015/062127)
[87] (WO2015/197312)
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[25] EN
[54] **DEVICE FOR OPTICALLY IDENTIFYING THE SEX OF A SLAUGHTER PIG**
[54] **DISPOSITIF POUR LA DETECTION OPTIQUE DU SEXE D'UN PORC DE BOUCHERIE**
[72] SCHIMITZEK, PETER, DE
[73] CSB-SYSTEM SE, DE
[85] 2016-12-29
[86] 2015-07-16 (PCT/DE2015/000355)
[87] (WO2016/011992)
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[13] C
[51] **Int.Cl. B22C 9/04 (2006.01) F01D 5/14 (2006.01)**
[25] FR
[54] **IMPROVED METHOD FOR MANUFACTURING A SHELL MOLD FOR PRODUCTION BY LOST-WAX CASTING OF BLADED ELEMENTS OF AN AIRCRAFT TURBINE ENGINE**
[54] **PROCEDE AMELIORE DE FABRICATION D'UNE CARAPACE, POUR LA REALISATION PAR MOULAGE A CIRE PERDUE D'ELEMENTS AUBAGES DE TURBOMACHINE D'AERONEF**
[72] MARQUES, FRANCOIS, FR
[72] DOCQUOIS, WILFRID, FR
[72] EBERSCHVEILLER, ERIC, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2016-12-30
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[25] EN
[54] **EDGE PROTECTION SAFETY BUND SYSTEM**
[54] **SYSTEME MUR DE PROTECTION POUR PROTECTION DES BORDS**
[72] DURKIN, STEVEN PETER, AU
[72] MURDOCH, JOHN FORBES, AU
[73] HIRAM (WA) PTY LTD, AU
[85] 2017-01-04
[86] 2015-06-30 (PCT/AU2015/000378)
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[54] **VOICE ACTIVITY DETECTION METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE DETECTION D'ACTIVITE VOCALE**
[72] ZHU, CHANGBAO, CN
[72] YUAN, HAO, CN
[73] ZTE CORPORATION, CN
[85] 2017-01-18
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[25] EN
[54] **TRANSMITTING DEVICE, TRANSMITTING METHOD, RECEIVING DEVICE, AND RECEIVING METHOD**
[54] **DISPOSITIF DE TRANSMISSION, PROCEDE DE TRANSMISSION, DISPOSITIF DE RECEPTION ET PROCEDE DE RECEPTION**
[72] TSUKAGOSHI, IKUO, JP
[72] CHINEN, TORU, JP
[73] SONY CORPORATION, JP
[85] 2017-01-24
[86] 2016-06-13 (PCT/JP2016/067596)
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[25] EN
[54] **SYSTEM AND METHODS FOR VIDEO-BASED MONITORING OF VITAL SIGNS**
[54] **SYSTEME ET METHODE DE SURVEILLANCE DES SIGNES VITAUX FONDEE SUR LA VIDEO**
[72] ADDISON, PAUL STANLEY, GB
[72] FOO, DAVID, GB
[72] JACQUEL, DOMINIQUE, GB
[73] COVIDIEN LP, US
[86] (2958003)
[87] (2958003)
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[30] US (62/335,862) 2016-05-13
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[25] EN
[54] **CASING FOR FOOD PRODUCTS**
[54] **BOYAU POUR PRODUITS ALIMENTAIRES**
[72] DU PREEZ, JOHANNES CHRISTIAAN, ZA
[72] VAN ZYL, ANDRIES WYNAND, ZA
[72] SCHULTZ, HERMANN AUGUST, ZA
[73] FREDDY HIRSCH GROUP (PTY) LTD., ZA
[85] 2017-02-16
[86] 2015-08-24 (PCT/IB2015/056406)
[87] (WO2016/027261)
[30] ZA (2014/06178) 2014-08-22

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[54] **TWO-STAGE CONTAINER BASE**
[54] **BASE DE RECIPIENT A DEUX ETAGES**
[72] MAST, LUKE A., US
[72] STEIH, RICHARD, US
[72] MAKI, KIRK EDWARD, US
[72] DOLE, OMKAR, US
[72] WOLOSZYK, MARK, US
[72] DOWNING, DAVID, US
[73] AMCOR RIGID PLASTICS USA, LLC, US
[85] 2017-02-16
[86] 2015-08-20 (PCT/US2015/046110)
[87] (WO2016/029016)
[30] US (62/040,277) 2014-08-21
[30] US (62/138,190) 2015-03-25

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[51] **Int.Cl. A61K 35/747 (2015.01) A61K 35/745 (2015.01) A61K 31/702 (2006.01) A61P 1/00 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **USE OF L. REUTERI FOR RECOVERY OF MICROBIOTA DYSBIOSIS IN EARLY LIFE**
[54] **UTILISATION DE L. REUTERI POUR LA RECUPERATION D'UNE DYSBIOSE DU MICROBIOTE DANS LA PHASE PRECOCE**
[72] GARCIA-RODENAS, CLARA LUCIA, CH
[72] BERGER, BERNARD, CH
[72] NGOM-BRU, CATHERINE, CH
[72] LEPAGE, MELISSA, CH
[72] NEVILLE, TARA, CH
[73] BIOGAIA AB, SE
[85] 2017-03-06
[86] 2015-10-29 (PCT/EP2015/075164)
[87] (WO2016/066763)
[30] EP (14190941.6) 2014-10-29

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[25] EN
[54] **END EFFECTOR FOR A POSITIONING DEVICE**
[54] **EFFECTEUR D'EXTREMITE POUR UN DISPOSITIF DE POSITIONNEMENT**
[72] BAILEY, BRENT, CA
[72] CONI, MARIANA GARCIA, CA
[73] SYNAPTIVE MEDICAL INC., CA
[85] 2017-03-08
[86] 2014-09-15 (PCT/CA2014/050874)
[87] (WO2016/041051)

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[25] EN
[54] **APPARATUS AND METHOD FOR HEATING AND COOKING FOOD USING LASER BEAMS AND ELECTROMAGNETIC RADIATION**
[54] **APPAREIL ET PROCEDE DE CHAUFFAGE ET DE CUISSON D'ALIMENTS AU MOYEN DE FAISCEAUX LASER ET D'UN RAYONNEMENT ELECTROMAGNETIQUE**
[72] GRACIA, ALVAR, ES
[72] SEPULVEDA, EMILIO, ES
[73] NATURAL MACHINES, INC., US
[85] 2017-03-14
[86] 2015-09-22 (PCT/US2015/051431)
[87] (WO2016/053681)
[30] US (62/057,061) 2014-09-29

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[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **OPTICAL FIBER CABLE**
[54] **CABLE A FIBRES OPTIQUES**
[72] GUENTER, CORY FRITZ, US
[72] HUDSON, HAROLD EDWARD, II, US
[72] HURLEY, WILLIAM CARL, US
[72] SISTARE, REBECCA ELIZABETH, US
[73] CORNING OPTICAL COMMUNICATIONS LLC, US
[85] 2017-03-22
[86] 2015-09-18 (PCT/US2015/050833)
[87] (WO2016/048804)
[30] US (62/053,340) 2014-09-22
[30] US (14/818,611) 2015-08-05

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[51] **Int.Cl. H04L 47/2441 (2022.01) H04L 45/24 (2022.01) H04L 47/20 (2022.01)**
[25] EN
[54] **ALLOCATING CAPACITY OF A NETWORK CONNECTION TO DATA STREAMS BASED ON TYPE**
[54] **CAPACITE D'ATTRIBUTION D'UNE CONNEXION DE RESEAU AUX FLUX DE DONNEES EN SE BASANT SUR LE TYPE**
[72] SELLA, WILLIAM THOMAS, US
[72] CAPUTO, PETE JOSEPH II, US
[72] SELLA, JAMES MICHAEL, US
[73] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2017-03-30
[86] 2015-09-22 (PCT/US2015/051528)
[87] (WO2016/053692)
[30] US (62/057,763) 2014-09-30
[30] US (14/678,671) 2015-04-03

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[13] C
[51] **Int.Cl. A61K 49/04 (2006.01) A61K 49/08 (2006.01) A61K 49/12 (2006.01)**
[25] EN
[54] **LIPID ENCAPSULATED GAS MICROSPHERE COMPOSITIONS AND RELATED METHODS**
[54] **COMPOSITIONS DE MICROSPHERES GAZEUSES ENCAPSULEES DANS DES LIPIDES ET PROCEDES ASSOCIES**
[72] ROBINSON, SIMON P., US
[72] NGUYEN, NHUNG TUYET, US
[72] SIEGLER, ROBERT W., US
[73] LANTHEUS MEDICAL IMAGING, INC., US
[85] 2017-04-25
[86] 2014-10-30 (PCT/US2014/063267)
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[51] **Int.Cl. H01B 13/012 (2006.01) B64F 5/10 (2017.01) B65H 51/015 (2006.01) H01B 13/22 (2006.01) H02G 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROCESSING WIRE BUNDLES**
[54] **SYSTEME ET METHODE DE TRAITEMENT DE PAQUET DE FILS**
[72] HELMICK, EERIK J., US
[72] MITCHELL, BRADLEY J., US
[72] EVANS, NICK S., US
[72] MARTIN, DAMIEN O., US
[72] THORNTON, APHEA ANN, US
[73] THE BOEING COMPANY, US
[86] (2965979)
[87] (2965979)
[22] 2017-05-01
[30] US (15/190,124) 2016-06-22

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[13] C
[51] **Int.Cl. C07C 273/16 (2006.01) B01D 53/14 (2006.01) B01D 53/54 (2006.01) B01D 53/58 (2006.01) B01D 53/73 (2006.01)**
[25] EN
[54] **UREA FINISHING PROCESS WITH ACID SCRUBBING**
[54] **PROCEDE DE FINITION D'UREE AU MOYEN D'UN LAVAGE ACIDE**
[72] SCOTTO, ANDREA, CH
[72] BERTINI, PAOLO, CH
[73] CASALE SA, CH
[85] 2017-05-10
[86] 2015-08-31 (PCT/EP2015/069857)
[87] (WO2016/074813)
[30] EP (14192905.9) 2014-11-12

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[13] C
[51] **Int.Cl. B64G 1/44 (2006.01)**
[25] FR
[54] **RADIATOR DEPLOYABLE FOR A SATELLITE STABILIZED ON THREE AXES**
[54] **RADIATEUR DEPLOYABLE POUR SATELLITE STABILISE TROIS AXES**
[72] LEMAIRE, JEROME, FR
[72] MIEGEVILLE, YANN, FR
[73] CENTRE NATIONAL D'ETUDES SPATIALES CNES, FR
[73] AIRBUS DEFENCE AND SPACE SAS, FR
[73] THALES, FR
[85] 2017-05-26
[86] 2014-12-15 (PCT/EP2014/077746)
[87] (WO2015/086851)
[30] FR (1362606) 2013-12-13

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[13] C
[51] **Int.Cl. B23K 35/26 (2006.01) C22C 13/02 (2006.01)**
[25] EN
[54] **SOLDER ALLOY, SOLDER PASTE, AND ELECTRONIC CIRCUIT BOARD**
[54] **ALLIAGE DE SOUDURE, PATE DE SOUDURE, ET CARTE DE CIRCUITS IMPRIMES**
[72] IKEDA, KAZUKI, JP
[72] INOUE, KOSUKE, JP
[72] ICHIKAWA, KAZUYA, JP
[72] TAKEMOTO, TADASHI, JP
[73] HARIMA CHEMICALS, INCORPORATED, JP
[85] 2017-06-02
[86] 2015-02-24 (PCT/JP2015/055203)
[87] (WO2016/098358)
[30] JP (2014-253280) 2014-12-15

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[13] C
[51] **Int.Cl. E04G 21/32 (2006.01) A47C 9/02 (2006.01) B64C 1/24 (2006.01) B64F 5/00 (2017.01)**
[25] EN
[54] **CARGO FLOOR BRACE TOOL**
[54] **OUTIL DE SUPPORT DE PLANCHER DE CHARGEMENT**
[72] HRUBANT, KURT P., US
[72] WHITE, WILLIAM R., US
[73] THE BOEING COMPANY, US
[86] (2970110)
[87] (2970110)
[22] 2017-06-08
[30] US (15/235,550) 2016-08-12

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[13] C
[51] **Int.Cl. B02C 18/18 (2006.01) A01D 34/535 (2006.01)**
[25] FR
[54] **MOWING OR GRINDING DEVICE**
[54] **DISPOSITIF DE FAUCHAGE OU DE BROYAGE**
[72] BACHMANN, CHRISTOPHE, FR
[73] ACTIBAC, FR
[85] 2017-06-08
[86] 2015-12-07 (PCT/FR2015/053353)
[87] (WO2016/097527)
[30] FR (1462479) 2014-12-16

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[13] C
[51] **Int.Cl. E06B 9/08 (2006.01) E05F 15/40 (2015.01) E05F 15/70 (2015.01) E06B 9/68 (2006.01)**
[25] EN
[54] **WIND SAFE DOOR**
[54] **PORTE RESISTANTE AU VENT**
[72] LORENZANI, MAURO, IT
[72] LLORET MADRID, JUAN JORGE, IT
[72] BOSTYN, FREDERIC, BE
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[54] **ASSEMBLAGE DE POTEAU DE CLOTURE A ANCRAGE**
[72] ANDERSON, KENNETH C, CA
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[54] **A REPOSITIONABLE LOAD CARRYING TRAY ASSEMBLY FOR A VEHICLE**
[54] **ENSEMBLE PLATEAU PORTEUR DE CHARGE REPOSITIONNABLE POUR UN VEHICULE**
[72] KILLGOUR, PAUL BRIAN ALEC, AU
[72] MIDDLEBROOK, BARRY ROY, AU
[73] PIVOTTRAY PTY LTD, AU
[85] 2017-08-03
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[54] **SYSTEME D'EXPOSITION AUX ALLERGENES**
[72] SANTAILLER, GERARD, FR
[73] ALYATEC, FR
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[72] RIZZI, MATTEO, GB
[72] ALI, ROBIN, GB
[72] SMITH, ALEXANDER, GB
[72] NISHIGUCHI, KOJI, GB
[73] UCL BUSINESS LTD, GB
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[54] **IDENTIFICATION MULTIFACTORIELLE DE POSITION DES YEUX DANS UN SYSTEME D'AFFICHAGE**
[72] MAZ, EMMANUEL, CA
[73] CAE INC., CA
[85] 2017-09-20
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[54] **METHOD AND SYSTEM FOR CUSTOMIZING A RECORDED REAL TIME SIMULATION BASED ON SIMULATION METADATA**
[54] **PROCEDE ET SYSTEME PERMETTANT DE PERSONNALISER UNE SIMULATION EN TEMPS REEL ENREGISTREE, SUR LA BASE DE METADONNEES DE SIMULATION**
[72] JACQUES, FRANCIS, CA
[72] MOUTON, SEBASTIEN, CA
[72] KHAN, MOHAMMED, CA
[73] CAE INC., CA
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[54] **PHENOLIC RESIN COMPOSITION FOR USE IN THE POLYURETHANE COLD-BOX AND/OR NO-BAKE PROCESS AND CORRESPONDING TWO-COMPONENT BINDER SYSTEMS, USES, AND PROCESSES**
[54] **COMPOSITION DE RESINE PHENOLIQUE POUR UNE UTILISATION DANS LE PROCEDE BOITE FROIDE DE POLYURETHANE ET/OU LE PROCEDE DURCISSANT A FROID ET SYSTEMES DE LIANT A DEUX COMPOSANTS CORRE SPONDANTS, APPLICATIONS ET PROCEDE**
[72] VARGAS, MANUEL, FR
[72] LO, TUNG-FAI, FR
[73] HUTTENES-ALBERTUS CHEMISCHE WERKE GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, DE
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[54] **WOUND DRESSING**
[54] **PANSEMENT**
[72] HOGGARTH, ANDREW, GB
[72] BUGEDO, ANDER, GB
[72] HARDY, CRAIG, GB
[73] MEDTRADE PRODUCTS LIMITED, GB
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[54] **METHOD FOR DEGUMMING TRIGLYCERIDE OILS**
[54] **PROCEDE DE DEGOMMAGE D'HUILES TRIGLYCERIDIQUES**
[72] KOZYUK, OLEG, US
[72] REIMERS, PETER, US
[72] REINKING, PAUL A., US
[73] ARCHER-DANIELS-MIDLAND COMPANY, US
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[54] **DISPOSITIF DE BIOCAPTEUR POUR DETECTER UN ANALYTE DANS UN ECHANTILLON**
[72] VAN ROY, WILLEM, BE
[72] STAKENBORG, TIM, BE
[72] COVENS, KRIS, BE
[73] IMEC VZW, BE
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[54] **DEMETALLISATION D'HYDROCARBURES**
[72] EGEBERG, RASMUS GOTTSCHALCK, DK
[72] HIDALGO VIVAS, ANGELICA, DK
[72] ENEVOLDSEN, SOREN SELDE, DK
[73] HALDOR TOPSOE A/S, DK
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[54] **REDUCTION DE NUISANCE D'INDICATION DE DEFAUT D'UN VEHICULE AU MOYEN DE MODELES FONDES SUR LA PHYSIQUE ET ENTRAINES PAR DES DONNEES**
[72] SAFA-BAKHSH, ROBAB, US
[73] THE BOEING COMPANY, US
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[54] **FEEDBACK COLLECTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE COLLECTE DE RETOURS D'INFORMATIONS**
[72] DICEMAN, JASON, CA
[73] DICEMAN, JASON, CA
[85] 2017-12-18
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[54] **TOROIDAL SYSTEM AND METHOD FOR COMMUNICATING IN A DOWNHOLE ENVIRONMENT**
[54] **SYSTEME TOROIDAL ET PROCEDE PERMETTANT UNE COMMUNICATION DANS UN ENVIRONNEMENT DE FOND DE TROU**
[72] ROBERSON, MARK W., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **DEVICE AND METHOD FOR SLANTING A CONDUCTOR CASING**
[54] **DISPOSITIF ET PROCEDE PERMETTANT D'INCLINER UN TUBAGE CONDUCTEUR**
[72] STRAND, HARALD, NO
[72] MATHIS, WOLFGANG, NO
[73] NEODRILL AS, NO
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[54] **OPTIMIZATION OF EXCITATION SOURCE PLACEMENT FOR DOWNHOLE RANGING AND TELEMETRY OPERATIONS**
[54] **OPTIMISATION DE POSITIONNEMENT DE SOURCE D'EXCITATION POUR OPERATIONS DE TELEDETECTION ET DE TELEMETRIE DE FOND DE PUITS**
[72] WU, HSU-HSIANG, US
[72] DONDERICI, BURKAY, US
[72] FAN, YIJING, SG
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **ELECTRONIC CERTIFICATE PAYMENT METHOD, SYSTEM AND DEVICE**
[54] **PROCEDE, SYSTEME ET DISPOSITIF DE PAIEMENT DE CERTIFICAT ELECTRONIQUE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-01-19
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[54] **METHOD, SYSTEM, AND DEVICE FOR BATCH ISSUING ELECTRONIC CERTIFICATES**
[54] **PROCEDE, SYSTEME ET DISPOSITIF POUR DELIVRER EN LOTS DES CERTIFICATS ELECTRONIQUES**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-01-22
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[54] **MULTILIGAND AGENT FOR DRUG DELIVERY**
[54] **AGENT A LIGANDS MULTIPLES POUR L'ADMINISTRATION DE MEDICAMENTS**
[72] PAYNE, JOSEPH E., US
[72] CHIVUKULA, PADMANABH, US
[72] TANIS, STEVEN P., US
[73] ARCTURUS THERAPEUTICS, INC., US
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[54] **NON-MAGNETIC, STRONG CARBIDE FORMING ALLOYS FOR POWDER MANUFACTURE**
[54] **ALLIAGES DE FORMAGE NON MAGNETIQUES A FORTE TENEUR EN CARBURE DESTINES A LA FABRICATION DE POUDRE**
[72] VECCHIO, JAMES, US
[72] CHENEY, JUSTIN LEE, US
[73] SCOPERTA, INC., US
[85] 2018-02-20
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[54] **GAS TURBINE ENGINE FAN BLADE CONTAINMENT SYSTEMS**
[54] **SYSTEMES DE CONFINEMENT D'AUBE DE VENTILATEUR DE TURBINE A GAZ**
[72] FRACCHIA, CARLOS ANGELO, US
[72] JOST, KAREN M., US
[72] HIGGINS, MARK DAVID, US
[72] HARPER, COLLEEN M., US
[73] THE BOEING COMPANY, US
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[25] EN
[54] **INTELLIGENT ELECTRONIC COMMERCE SYSTEM, AND METHOD AND DEVICE FOR IMPLEMENTING SAME**
[54] **SYSTEME DE COMMERCE ELECTRONIQUE INTELLIGENT, ET PROCEDE ET DISPOSITIF PERMETTANT DE METTRE EN □UVRE CE SYSTEME**
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[72] NIU, FENGGANG, CN
[73] 10353744 CANADA LTD., CA
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[54] **BIJOU INTERCHANGEABLE**
[72] GREEN, KAREN L., US
[72] SMITH, GINA M., US
[73] STYLE DOTS LLC, US
[85] 2018-03-20
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[54] **METHOD FOR GUIDING A MACHINING HEAD ALONG A TRACK TO BE MACHINED**
[54] **PROCEDE DE GUIDAGE D'UNE TETE D'USINAGE LE LONG D'UNE TRACE A USINER**
[72] AGRAWAL, FABIAN, DE
[72] BIRMANNS, STEFAN, CH
[72] SCHWARZ, JOACHIM, CH
[72] SUPERNOK, ERIC, DE
[73] PRECITEC GMBH & CO. KG, DE
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[25] EN
[54] **CHEMICAL IMBIBITION BY GELS CONTAINING SURFACTANTS FOR FRACTURED CARBONATE RESERVOIRS**
[54] **IMBIBITION CHIMIQUE PAR DES GELS CONTENANT DES TENSIOACTIFS POUR DES RESERVOIRS FRACTURES DE CARBONATE**
[72] HAN, MING, SA
[72] WANG, JINXUN, SA
[72] CAO, DONGQING, CN
[72] AL-BOQMI, ABDULLAH, SA
[72] ALSHEHRI, AMAR J., SA
[73] SAUDI ARABIAN OIL COMPANY, SA
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[54] **METHOD AND APPARATUS FOR SUSPENDING DUCT BY INSERTED CORNER MEMBERS**
[54] **PROCEDE ET APPAREIL DE SUSPENSION D'UNE GAINE PAR DES ELEMENTS D'ANGLE INSERES**
[72] CARSON, JEFFREY KENNETH, CA
[73] JBT STEEL INDUSTRIES INC., CA
[86] (3002283)
[87] (3002283)
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[54] **MULTILAYER COMPOSITE COMPONENT**
[54] **ELEMENT COMPOSITE STRATIFIE**
[72] KUHN, MARVIN, DE
[72] RAHMANN, UWE, DE
[72] BARTL, CHRISTINA, DE
[72] VINKE, DANIEL, DE
[73] WOBBEN PROPERTIES GMBH, DE
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[25] EN
[54] **TOOL ASSEMBLY WITH COLLET AND SHIFTABLE VALVE AND PROCESS FOR DIRECTING FLUID FLOW IN A WELLBORE**
[54] **ASSEMBLAGE D'OUTIL EQUIPE D'UN COLLET ET D'UNE SOUPAPE DECALABLE ET PROCEDE D'ORIENTATION D'UN ECOULEMENT DE FLUIDE DANS UN TROU DE FORAGE**
[72] WANG, JIANJUN, CA
[72] SOBOLEWSKI, JOHN, CA
[73] ADVANCED COMPLETIONS ASSET CORPORATION, CA
[86] (3002949)
[87] (3002949)
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[54] **A TRANSACTION CARD WITH 3D PRINTING GRAPHIC SURFACE**
[54] **CARTE DE TRANSACTION A SURFACE GRAPHIQUE D'IMPRESSION 3D**
[72] GAO, JUNJIE, CN
[72] FANG, CHEN, CN
[72] ZENG, TENG, CN
[73] GIESECKE+DEVRIENT MOBILE SECURITY GMBH, DE
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[54] **METHOD AND SYSTEM TO PROVIDE VIDEO-BASED SEARCH RESULTS**
[54] **PROCEDE ET SYSTEME POUR FOURNIR DES RESULTATS DE RECHERCHE BASES SUR LA VIDEO**
[72] KAUSHAL, GOVIND, US
[72] DANDEKAR, JAI, US
[72] CHITTAR, NAREN, US
[72] KOPPAKA, BHANU, US
[72] SHEELEY, JOHN, US
[72] MACLAURIN, MATTHEW BRET, US
[73] EBAY INC., US
[86] (3004340)
[87] (3004340)
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[25] EN
[54] **SYSTEM AND METHOD FOR MEASURING AND EVALUATING BUILDING ENERGY PERFORMANCE**
[54] **SYSTEME ET METHODE POUR MESURER ET EVALUER LE RENDEMENT ENERGETIQUE D'UN BATIMENT**
[72] SONG, SUWON, KR
[72] PARK, CHUN-GUN, KR
[73] KOREA INSTITUTE OF CIVIL ENGINEERING AND BUILDING TECHNOLOGY, KR
[85] 2018-05-11
[86] 2016-11-29 (PCT/KR2016/013835)
[87] (WO2017/095101)
[30] KR (10-2015-0168703) 2015-11-30

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[25] EN
[54] **RELEASE WEBS AND TEXTURED PRODUCTS**
[54] **BANDES DECOLLABLES ET PRODUITS TEXTURES**
[72] MURRAY, ROBERT J., US
[73] SAPPI NORTH AMERICA, INC., US
[85] 2018-05-22
[86] 2016-12-05 (PCT/US2016/064929)
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[54] **PARE-NEIGE DE FEU DE CIRCULATION**
[72] BICHON, CHRISTOPHER N., US
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[86] (3006183)
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[54] **SUPPORT D'ESCALIER INCORPORE D'AERONEF**
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[72] MIKEAL, QUENT, US
[73] GULFSTREAM AEROSPACE CORPORATION, US
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[54] **EMULSION ALIMENTAIRE AEREE ACIDIFIEE LONGUE CONSERVATION**
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[72] ESTRADA, ABRIL, US
[72] KOGA, CLARISSA, US
[72] NGA, PERRY, US
[72] CHAN, HUBERT, US
[72] NETA, EDITH RAMOS DA CONCEICAO, US
[72] OLDAKER, JOANNA L., US
[72] ANANTH, VIDYA, US
[72] OCHOMOGO, MARIA G., US
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[54] **PROCEDES ET SYSTEMES POUR DISTRIBUTION DE GAZ DISSOUS ET DEGAZAGE DE CONDUITES DE FLUIDE MEDICAL**
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[72] CHOI, JAE H., US
[73] HYBERNIA MEDICAL LLC, US
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[54] **DISPOSITIF DE MONTAGE DE SCIE CIRCULAIRE**
[72] SVENSSON, JERKER, SE
[72] ENGHOLM, MAGNUS, SE
[73] SODRA SKOGSAGARNA EKONOMISK FORENING, SE
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[54] **SYSTEME DE FABRICATION PERSONNALISEE DE PRODUITS PORTABLES OU MEDICAUX**
[72] DECKER, CHRISTIAN, DE
[73] DESMA SCHUHMASCHINEN GMBH, DE
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[54] **SENSING SYSTEM FOR MULTIPLE LUMEN TUBING**
[54] **SYSTEME DE DETECTION POUR TUBULURE A LUMIERES MULTIPLES**
[72] PIERCE, NATE, US
[72] CLAYTON, LARRY, US
[72] RILEY, TIMOTHY, US
[73] MOOG INC., US
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[54] **APPAREIL ET PROCEDE DE TRAITEMENT D'UN SIGNAL AUDIO MULTICANAL**
[72] UHLE, CHRISTIAN, DE
[72] KRATZ, MICHAEL, DE
[72] KLOSE, PAUL, DE
[72] LEONARD, TIMOTHY, DE
[72] LUVIZOTTO, ANDRE, DE
[72] SCHARRER, SEBASTIAN, DE
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[54] **SYSTEME ET PROCEDE DE COMMANDE DE CASIERS DE COLIS ELECTRONIQUES**
[72] IRWIN, DONALD E., US
[72] MCKENZIE, NAN K., US
[72] TARTAL, WILLIAM A., US
[72] STEPHEN, VICTORIA K., US
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[54] **SUPPORT POUR CHAUSSURES DOTE D`UN SYSTEME DE SECHAGE ET DE DRAINAGE**
[72] MORIN, ALICE, CA
[73] MORIN, ALICE, CA
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[54] **CAPTEUR GYROSCOPIQUE A BASE DE NANOPARTICULES MAGNETIQUES**
[72] KRUG, BRIAN G., US
[72] ASUMADU, JOHNSON A., US
[73] THE BOARD OF TRUSTEES OF WESTERN MICHIGAN UNIVERSITY, US
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[54] **INSTALLATION ET PROCEDE DE PRODUCTION DE L'ACIDE NITRIQUE**
[72] POSTMA, LEONARDUS HUBERTUS, NL
[72] MUNOZ LOPEZ, MARIA PAZ, NL
[72] VOORWINDEN, MARTINUS, NL
[73] STAMICARBON B.V., NL
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[54] **DISPOSITIF D'ENTRAINEMENT DE TRANSPORTEUR A ROULEAUX**
[72] DUDEK, SIEGMUND, CH
[72] STEFFEN, JONAS, CH
[72] FRANGEUL, XAVIER, CH
[72] LOIZEAU, ANTOINE, CH
[73] INTERROLL HOLDING AG, CH
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[54] **FORME GALENIQUE A LIBERATION PROLONGEE**
[72] STELLA, MARK EDWARD, US
[72] ENTWISLE, JOHN RICHARD, US
[72] LUDHER, BALTEJ, US
[72] CLARK, JONATHAN E., US
[72] ANNESS, DAREN, US
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[72] CARR, ANDREW NICHOLAS, US
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[72] FAN, MEIFENG, CN
[73] WONDERLAND SWITZERLAND AG, CH
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[54] **MONITEUR D'UN SYSTEME CAMERA-MONITEUR**
[72] SAUTTER, SILJA, DE
[72] MIETHIG, WERNER, DE
[72] NINGARAJU, RAJESH, IN
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[72] DAIS, BRIAN C., US
[72] MUSALIAR, IMTIAZ A., US
[72] LY, BUNLIM, US
[72] STARK, TIMOTHY D., US
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[54] **DISPOSITIF MEDICAL POUR LE TRAITEMENT D'INFECTIONS CUTANEES A PVH**
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[54] **SYSTEME ET PROCEDE D'IDENTIFICATION D'UN POINT DE REPERE**
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[72] FABER, HENRY B., US
[72] GRUSIN, NATHANIEL K., US
[72] HEOTIS, CHARLES C., US
[72] JANNA, SIED W., US
[72] RAINS, JAMES K., US
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[54] **LIEUR D'AMIDE MALEIQUE DI-SUBSTITUE POUR CONJUGAISON ANTICORPS-MEDICAMENT, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] SHEN, JINGKANG, CN
[72] MENG, TAO, CN
[72] MA, LANPING, CN
[72] WANG, XIN, CN
[72] PENG, HONGLI, CN
[72] ZHANG, YONGLIANG, CN
[72] YU, TING, CN
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[72] LEMMEN, JACOBUS ALEXANDER JOZEF, NL
[72] VAN DOREMAELE, MARCUS GERARDUS MARIA, NL
[73] LEMMEN, JACOBUS ALEXANDER JOZEF, NL
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[72] LINDEMANN, HARRY, DE
[72] LANGENSIEPEN, DOMINIK, DE
[72] WEICHBRODT, REINHOLD, DE
[73] INTERROLL HOLDING AG, CH
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[54] **AMELIORATION DE LA CONDUCTIVITE THERMIQUE DANS UN TROU DE FORAGE**
[72] NEVISON, GRANT, CA
[72] THOMPSON, JOSH, CA
[73] ELEMENT COIL SERVICES INC., CA
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[54] **EXOSQUELETTE EQUIPE D'ARTICULATIONS SEMI-ACTIVES DE TYPE FLUIDE ELECTRO OU MAGNETO-RHEOLOGIQUE**
[72] SCATTAREGGIA MARCHESE, SANDRO, IT
[72] GIORGIANNI, PAOLO, IT
[73] SIGNO MOTUS S.R.L., IT
[85] 2019-06-19
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[54] **DISPOSITIF PORTATIF ET PROCEDE DE DETERMINATION D'UN ETAT D'UNE PLANTE**
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[73] YARA INTERNATIONAL ASA, NO
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[54] **OPERATION CONTROL METHOD AND SYSTEM FOR CRANE, AND CRANE**
[54] **METHODE ET SYSTEME DE REGULATION D'EXPLOITATION POUR GRUE, ET GRUE**
[72] SHAN, ZENGHAI, CN
[72] ZHU, CHANGJIAN, CN
[72] LI, LIJING, CN
[72] CHAI, JUNFEI, CN
[72] LI, LEI, CN
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[54] **OBJECT REMOVAL ENHANCEMENT ARRANGEMENT AND METHOD**
[54] **SYSTEME ET METHODE D`AMELIORATION DE L`ELIMINATION D`UN OBJET**
[72] XU, YINGQING, US
[72] JOHNSON, MICHAEL, US
[72] STONE, MATTHEW, US
[72] ANDREW, COLIN, US
[72] XU, ZHIYUE, US
[73] BAKER HUGHES HOLDINGS LLC, US
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[54] **POSITIONNEMENT DE PATIENT EN REALITE AUGMENTEE A L'AIDE D'UN ATLAS**
[72] FLOSSMANN, SVEN, DE
[72] KERSCHBAUMER, SAMUEL, DE
[72] FRIELINGHAUS, NILS, DE
[72] HAMILTON, CHRISTOFFER, DE
[73] BRAINLAB AG, DE
[85] 2019-07-18
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[54] **POWER CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE DE PUISSANCE**
[72] JASMIN, SIMON, CA
[73] SYSTEMEX-ENERGIES INC., CA
[85] 2019-06-27
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[25] EN
[54] **SOFT MAGNETIC POWDER, FE-BASED NANOCRYSTALLINE ALLOY POWDER, MAGNETIC COMPONENT AND DUST CORE**
[54] **POUDRE MAGNETIQUE A AIMANTATION PROVISOIRE, POUDRE D'ALLIAGE NANOCRISTALLIN A BASE DE FE, COMPOSANT MAGNETIQUE ET NOYAU DE POUSSIERE**
[72] URATA, AKIRI, JP
[72] CHIBA, MIHO, JP
[72] MURAKI, MINEO, JP
[72] NAKASEKO, MAKOTO, JP
[72] TAKASHITA, TAKUYA, JP
[73] JFE STEEL CORPORATION, JP
[85] 2019-07-22
[86] 2018-01-26 (PCT/JP2018/002380)
[87] (WO2018/139563)
[30] JP (2017-012977) 2017-01-27

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[13] C
[51] **Int.Cl. H04L 43/50 (2022.01) G06F 11/36 (2006.01) G06F 16/00 (2019.01)**
[25] EN
[54] **PLAYBACK OF CAPTURED NETWORK TRANSACTIONS IN A SIMULATION ENVIRONMENT**
[54] **LECTURE DES TRANSACTIONS DE RESEAU SAISIES DANS UN ENVIRONNEMENT DE SIMULATION**
[72] SCHMALZ, RONALD J., JR., US
[73] SERVICENOW, INC., US
[86] (3051439)
[87] (3051439)
[22] 2019-08-08
[30] US (16/058,092) 2018-08-08

[11] **3,051,824**
[13] C
[51] **Int.Cl. C02F 1/28 (2006.01)**
[25] EN
[54] **ACTIVATED CARBON SLURRY SUPPLY METHOD**
[54] **METHODE D'APPROVISIONNEMENT DE BOUE DE CHARBON ACTIVE**
[72] MIMA, SATORU, JP
[72] SHIODE, SADAMITSU, JP
[72] OYACHI, HIROYUKI, JP
[72] SUGIURA, KIYOTAKA, JP
[73] METAWATER CO., LTD., JP
[85] 2019-07-26
[86] 2018-01-22 (PCT/JP2018/001808)
[87] (WO2018/163620)
[30] JP (2017-043169) 2017-03-07

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[13] C
[51] **Int.Cl. A61F 2/46 (2006.01)**
[25] EN
[54] **FORCE AND ROTATION SENSING DEVICE AND METHOD**
[54] **DISPOSITIF DE DETECTION DE FORCE ET DE ROTATION ET PROCEDE**
[72] JOHANNABER, KENNETH D., US
[72] HARIRI, RIDA, US
[72] DALBEY, DEREK, US
[72] MINCK, JOHN, JR., US
[73] ZIMMER, INC., US
[85] 2019-07-31
[86] 2018-01-24 (PCT/US2018/015044)
[87] (WO2018/144282)
[30] US (62/453,772) 2017-02-02

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[13] C
[51] **Int.Cl. A01B 63/32 (2006.01)**
[25] EN
[54] **TOOLBAR WITH HYDRAULIC HEIGHT CONTROL**
[54] **BARRE D`OUTILS AVEC REGLAGE HYDRAULIQUE EN HAUTEUR**
[72] SIVINSKI, JEFFREY ALAN, US
[73] HARVEST INTERNATIONAL, INC., US
[86] (3052494)
[87] (3052494)
[22] 2019-08-19
[30] US (62/765072) 2018-08-17
[30] US (16/543202) 2019-08-16

[11] **3,053,840**
[13] C
[51] **Int.Cl. A01K 5/01 (2006.01) A01K 5/02 (2006.01)**
[25] EN
[54] **PIG FEEDER WITH EXTENDED HOPPER**
[54] **DISPOSITIF D'ALIMENTATION DE PORCS AVEC TREMIE ALLONGEE**
[72] KLEINSASSER, JONATHAN, CA
[73] CRYSTAL SPRING COLONY FARMS LTD., CA
[85] 2019-08-16
[86] 2018-06-01 (PCT/CA2018/050655)
[87] (WO2018/223223)
[30] US (62/516,467) 2017-06-07

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[13] C
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRANSMITTING DMRS**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE DMRS**
[72] REN, XIANG, CN
[72] LIU, YONG, CN
[72] GE, SHIBIN, CN
[72] BI, XIAOYAN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-09-11
[86] 2018-03-27 (PCT/CN2018/080723)
[87] (WO2018/177295)
[30] CN (201710214876.X) 2017-04-01

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[13] C
[51] **Int.Cl. F24C 15/20 (2006.01) F24C 15/32 (2006.01)**
[25] EN
[54] **MOVEABLE CHIMNEY WITH INLETS IN A DOWNDRAFT ASSEMBLY**
[54] **CHEMINEE MOBILE COMPORTANT DES ENTREES DANS UN ASSEMBLAGE A COURANT DESCENDANT**
[72] SINUR, RICHAD R., US
[72] WELLNITZ, BRIAN R., US
[72] PERKINS, JAY F., US
[72] MONTAG, SEAN D., US
[73] BROAN-NUTONE LLC, US
[86] (3057918)
[87] (3057918)
[22] 2014-11-06
[62] 2,870,278

[11] **3,057,926**
[13] C
[51] **Int.Cl. E06B 9/68 (2006.01) E06B 9/32 (2006.01) G05B 19/042 (2006.01)**
[25] EN
[54] **CONTROLLING MOTORIZED WINDOW TREATMENTS IN RESPONSE TO MULTIPLE SENSORS**
[54] **COMMANDE DE TRAITEMENTS DE FENETRE MOTORISEE EN REPONSE A PLUSIEURS CAPTEURS**
[72] LUNDY, STEPHEN, US
[72] PROTZMAN, BRENT, US
[72] GILL, TIMOTHY, US
[72] ZIZZA, MICHAEL J., US
[73] LUTRON TECHNOLOGY COMPANY LLC, US
[86] (3057926)
[87] (3057926)
[22] 2015-06-23
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[51] **Int.Cl. H02G 15/08 (2006.01) H01R 24/20 (2011.01)**
[25] EN
[54] **ANGLE LOADBREAK BUSHING**
[54] **DOUILLE DE RUPTURE DE CHARGE A ANGLE**
[72] FONG, ROBERT, US
[73] ABB SCHWEIZ AG, CH
[86] (3058065)
[87] (3058065)
[22] 2019-10-09
[30] US (16/155,535) 2018-10-09

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[13] C
[51] **Int.Cl. B67D 1/04 (2006.01) A47J 31/40 (2006.01) B67D 1/12 (2006.01)**
[25] EN
[54] **GAS/LIQUID INFUSION SYSTEM WITH INTELLIGENT LEVEL MANAGEMENT AND ADJUSTABLE ABSORPTION OUTPUT**
[54] **SYSTEME D'INFUSION DE GAZ/LIQUIDE AVEC GESTION DE NIVEAU INTELLIGENT ET SORTIE D'ABSORPTION REGLABLE**
[72] PERKINS, BERNARD L., US
[72] ESTRADA, JESUS, US
[72] PATEL, AKSHAYKUMAR, US
[73] FLOW CONTROL LLC., US
[85] 2019-09-27
[86] 2018-03-28 (PCT/US2018/024815)
[87] (WO2018/183477)
[30] US (62/477,745) 2017-03-28

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[13] C
[51] **Int.Cl. H02B 1/20 (2006.01) H01R 25/16 (2006.01) H02G 3/16 (2006.01)**
[25] EN
[54] **MULTI-POINT WELL JUNCTION**
[54] **JONCTION DE PUITS MULTIPOINT**
[72] GIEGER, JEFFREY, US
[73] ABB SCHWEIZ AG, CH
[86] (3058660)
[87] (3058660)
[22] 2019-10-11
[30] US (16/158,920) 2018-10-12

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[51] **Int.Cl. E03C 1/04 (2006.01) B05B 1/22 (2006.01) F16K 11/074 (2006.01)**
[25] EN
[54] **FAUCET DEVICE**
[54] **DISPOSITIF DE ROBINET**
[72] TZENG, RONG-CHYAN, CN
[73] NCIP INC., CN
[86] (3058842)
[87] (3058842)
[22] 2019-10-15

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[51] **Int.Cl. G01R 1/04 (2006.01) G01R 3/00 (2006.01)**
[25] EN
[54] **INTEGRATED CIRCUIT INTERFACE AND METHOD OF MAKING THE SAME**
[54] **INTERFACE DE CIRCUIT INTEGRE ET SON PROCEDE DE FABRICATION**
[72] HATHAWAY, AARON ASHLEY, US
[72] MILLER, ROBERT, US
[72] SANKER, ERICA ANNE, US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2019-10-04
[86] 2018-05-04 (PCT/US2018/031141)
[87] (WO2018/208604)
[30] US (15/593,689) 2017-05-12

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[13] C
[51] **Int.Cl. A61K 47/00 (2006.01) C40B 30/04 (2006.01) C40B 30/06 (2006.01)**
[25] EN
[54] **IMPROVED METHODS FOR GENERATING SMALL MOLECULE DEGRADERS AND DIMERIZERS**
[54] **PROCEDES AMELIORES PERMETTANT DE GENERER DES AGENTS DE DEGRADATION DE PETITES MOLECULES ET DES AGENTS DE DIMERISATION**
[72] FISCHER, ERIC, US
[72] NOWAK, RADOSLAW, US
[73] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2019-10-16
[86] 2018-06-07 (PCT/US2018/036487)
[87] (WO2018/226978)
[30] US (62/517,500) 2017-06-09
[30] US (62/575,059) 2017-10-20

[11] **3,060,704**
[13] C
[51] **Int.Cl. C09K 8/66 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **METHODS AND MATERIALS FOR TREATING SUBTERRANEAN FORMATIONS USING A THREE-PHASE EMULSION BASED FRACTURING FLUID**
[54] **PROCEDES ET MATERIAUX POUR TRAITER DES FORMATIONS SOUTERRAINES A L'AIDE D'UN FLUIDE DE FRACTURATION A BASE D'EMULSION TRIPHASIQUE**
[72] KALGAONKAR, RAJENDRA ARUNKUMAR, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-10-21
[86] 2018-05-11 (PCT/US2018/032225)
[87] (WO2018/209181)
[30] US (62/505,456) 2017-05-12
[30] US (15/794,715) 2017-10-26

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[25] EN
[54] **CHILD SAFETY SEAT**
[54] **SIEGE DE SECURITE POUR ENFANT**
[72] DUAN, XIAO SONG, CN
[73] WONDERLAND SWITZERLAND AG, CH
[86] (3061634)
[87] (3061634)
[22] 2019-11-13
[30] CN (201811357761.7) 2018-11-14

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[51] **Int.Cl. C07C 243/38 (2006.01) A61K 31/166 (2006.01)**
[25] EN
[54] **CRYSTALLINE DIACYLHYDRAZINE AND THE USE THEREOF**
[54] **DIACYLHYDRAZINE CRISTALLINE ET SON UTILISATION**
[72] HORMANN, ROBERT E., US
[72] SHULMAN, INNA, US
[72] RODEL, EVA, US
[72] HILFIKER, ROLF, US
[72] DEPAUL, SUSAN M., US
[73] INTREXON CORPORATION, US
[86] (3061802)
[87] (3061802)
[22] 2012-09-07
[62] 2,848,222
[30] US (61/532,368) 2011-09-08

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[25] EN
[54] **RADIO FREQUENCY IDENTIFICATION DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'IDENTIFICATION PAR RADIOFREQUENCE**
[72] RAPTIS, MARK, US
[72] ROSS, GRAHAM, US
[73] CAREFUSION 303, INC., US
[86] (3062872)
[87] (3062872)
[22] 2011-01-27
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[30] US (12/700,645) 2010-02-04

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[51] **Int.Cl. B01F 33/453 (2022.01) B01F 27/808 (2022.01) B01F 27/906 (2022.01) B01F 35/40 (2022.01)**
[25] EN
[54] **RADIALLY DRIVEN AGITATOR**
[54] **AGITATEUR A ENTRAINEMENT RADIAL**
[72] SEVENANTS, JORRIT, BE
[72] VAN DEN BERGHE, STEFANUS, BE
[73] PALL CORPORATION, US
[86] (3063656)
[87] (3063656)
[22] 2019-12-04
[30] US (16/214,395) 2018-12-10

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[51] **Int.Cl. A43B 5/04 (2006.01) A43B 5/16 (2006.01) A43C 11/16 (2006.01)**
[25] EN
[54] **TENSIONING SYSTEMS FOR FOOTWEAR**
[54] **SYSTEMES DE TENSION POUR ARTICLE CHAUSSANT**
[72] MODENA, TRISTAN, US
[72] GRELLA, JEFF, US
[73] VANS, INC., US
[86] (3064060)
[87] (3064060)
[22] 2013-12-13
[62] 2,895,246
[30] US (61/737,628) 2012-12-14
[30] US (61/866,533) 2013-08-15

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[13] C
[51] **Int.Cl. B65H 19/30 (2006.01) B65H 19/22 (2006.01)**
[25] EN
[54] **DEVICE FOR WINDING AND CHANGING THE REELS OF WEB MATERIAL AS WELL AS A DEDICATED PROCESS**
[54] **DISPOSITIF POUR ENROULER ET MODIFIER LES ROULEAUX DE MATERIAU EN BANDE AINSI QU`UN PROCEDE SPECIAL**
[72] DURNER, KLAUS, DE
[72] GOLLNER, MANFRED, DE
[72] KLIMEK, LOTHAR, DE
[72] KAMMER, JENS CHRISTIAN, DE
[72] HOYER, NICOLE, DE
[72] WESTPHAL, SEBASTIAN, DE
[73] HOSOKAWA KOLB GMBH, DE
[73] HOSOKAWA ALPINE AKTIENGESELLSCHAFT, DE
[86] (3064404)
[87] (3064404)
[22] 2019-12-10
[30] DE (10 2018 009 632.8) 2018-12-11

[11] **3,064,488**
[13] C
[51] **Int.Cl. F16B 35/00 (2006.01) F16B 35/04 (2006.01)**
[25] EN
[54] **BRAKE SCREW FOR SURGICAL LIGHTING SYSTEMS**
[54] **VIS DE FREIN POUR SYSTEMES D'ECLAIRAGE CHIRURGICAL**
[72] BELLOWS, LANCE CLARK, US
[72] HESER, MICHAEL JOSEPH, US
[72] MOHR, CHRISTOPHER ROY, US
[72] MOSS, BERNARD JOHN, US
[72] PICHLER, JERIME JOSEF, US
[72] TOTH, CRISTIAN LAURENTIU, US
[73] AMERICAN STERILIZER COMPANY, US
[85] 2019-11-20
[86] 2018-06-13 (PCT/US2018/037187)
[87] (WO2019/013916)
[30] US (62/530,468) 2017-07-10
[30] US (16/004,499) 2018-06-11

[11] **3,064,789**
[13] C
[51] **Int.Cl. H04W 48/10 (2009.01)**
[25] EN
[54] **METHOD FOR PAGING, NETWORK DEVICE, AND TERMINAL DEVICE**
[54] **PROCEDE DE RADIOMESSAGERIE, DISPOSITIF DE RESEAU ET DISPOSITIF DE TERMINAL**
[72] YANG, NING, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-25
[86] 2018-03-20 (PCT/CN2018/079638)
[87] (WO2019/178750)

[11] **3,064,978**
[13] C
[51] **Int.Cl. B01D 3/38 (2006.01) B03B 9/02 (2006.01)**
[25] EN
[54] **RECOVERY OF HYDROCARBON DILUENT FROM TAILINGS**
[54] **RECUPERATION DE DILUANT D'HYDROCARBURE DES RESIDUS**
[72] BARA, BARRY, CA
[72] BHATTACHARYA, SUJIT, CA
[72] BULBUC, DANIEL JOHN, CA
[72] CYMERMAN, GEORGE, CA
[72] MCKNIGHT, CRAIG A., CA
[73] SYNCRUDE CANADA LTD. IN TRUST FOR THE OWNERS OF THE SYNCRUDE PROJECT AS SUCH OWNERS EXIST NOW AND IN THE FUTURE, CA
[86] (3064978)
[87] (3064978)
[22] 2017-06-05
[62] 2,969,872

[11] **3,067,228**
[13] C
[51] **Int.Cl. B31B 70/04 (2017.01) B31B 70/10 (2017.01) B31B 70/26 (2017.01) B31B 70/62 (2017.01) B65H 20/06 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR FORMING PACKAGES**
[54] **PROCEDE ET SYSTEME DE FORMATION D'EMBALLAGES**
[72] WALSH, JOSEPH C., US
[72] CONATSER, ROBERT LEE, US
[72] LUPFER, NICHOLAS P., US
[72] COX, WILLIAM ALLEN, US
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2019-12-12
[86] 2018-08-06 (PCT/US2018/045338)
[87] (WO2019/032436)
[30] US (62/542,863) 2017-08-09

[11] **3,068,027**
[13] C
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/10 (2020.01) A24F 40/51 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **IMPROVED VAPORIZATION AND DOSAGE CONTROL FOR ELECTRONIC VAPORIZING INHALER**
[54] **COMMANDE AMELIOREE DE VAPORISATION ET DOSAGE POUR UN INHALATEUR A VAPORISEUR ELECTRONIQUE**
[72] KING, CHARLES WILLIAM, US
[72] CORRY, CHARLES DOMINIC, US
[72] MINGILINO, CHRISTOPHER, US
[72] TUTT, TIMOTHY, US
[72] FORNARELLI, THOMAS, US
[73] AVANZATO TECHNOLOGY CORPORATION, US
[86] (3068027)
[87] (3068027)
[22] 2014-11-21
[62] 2,933,861
[30] US (61/906,928) 2013-11-21
[30] US (62/067,762) 2014-10-23

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[13] C
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/415 (2006.01) A61K 31/47 (2006.01) A61K 31/496 (2006.01) A61P 25/00 (2006.01) A61P 25/14 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING AN ANTI-INFLAMMATORY DRUG AND A DICER ACTIVATOR FOR USE IN THE TREATMENT OF NEURONAL DISEASES**
[54] **COMPOSITIONS COMPRENANT UN MEDICAMENT ANTI-INFLAMMATOIRE ET UN ACTIVATEUR DICER DESTINEES A ETRE UTILISEES DANS LE TRAITEMENT DE MALADIES NEURONALES**
[72] BEN-NOON, ALON, IL
[73] NEUROSENSE THERAPEUTICS LTD., IL
[85] 2019-12-20
[86] 2018-06-20 (PCT/IL2018/050684)
[87] (WO2018/235082)
[30] US (62/522,157) 2017-06-20

[11] **3,071,509**
[13] C
[51] **Int.Cl. B60Q 1/02 (2006.01)**
[25] EN
[54] **PROGRAMMABLE AUTOMOBILE LIGHT BAR**
[54] **BARRE DE FEUX D`URGENCE PROGRAMMABLE POUR AUTOMOBILE**
[72] ELWELL, JAMES P., US
[72] ELWELL, JAMES P., II, US
[72] BURHITE, JOSHUA J., US
[73] PUTCO, INC., US
[86] (3071509)
[87] (3071509)
[22] 2020-02-05
[30] US (16/511,853) 2019-07-15

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[51] **Int.Cl. F16D 65/092 (2006.01)**
[25] EN
[54] **BRAKE CALIPER POSITIONAL CORRECTION DEVICE**
[54] **DISPOSITIF DE CORRECTION DE POSITION D'ETRIER DE FREIN**
[72] MERRILL, ZACHARY ALEXANDER, US
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2020-01-29
[86] 2017-08-04 (PCT/US2017/045565)
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[51] **Int.Cl. G01F 1/667 (2022.01)**
[25] EN
[54] **SENSOR ASSEMBLY**
[54] **ENSEMBLE CAPTEUR**
[72] MESS, FRANCIS M., US
[72] LEADERS, JEFFREY L., US
[72] PUMPHREY, CLAYTON C., US
[72] ALMIRALL, JORGE C. ., US
[73] RELIANCE WORLDWIDE CORPORATION, US
[86] (3072227)
[87] (3072227)
[22] 2015-06-10
[62] 2,952,064
[30] US (62/010,197) 2014-06-10

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[51] **Int.Cl. C07D 257/02 (2006.01) A61K 49/10 (2006.01)**
[25] EN
[54] **GADOBUTROL INTERMEDIATE AND GADOBUTROL PRODUCTION METHOD USING SAME**
[54] **INTERMEDIAIRE DE GADOBUTROL ET PROCEDE DE PRODUCTION DE GADOBUTROL L'UTILISANT**
[72] LEE, JAE YONG, KR
[72] LEE, JONG SOO, KR
[72] KANG, BYUNG KYU, KR
[72] LEE, SANG OH, KR
[72] LEE, BYUONG WOO, KR
[72] YUN, DAE MYOUNG, KR
[72] BANG, JAE HUN, KR
[72] CHOI, KYUNG SEOK, KR
[73] ENZYCHEM LIFESCIENCES CORPORATION, KR
[85] 2020-02-26
[86] 2018-08-29 (PCT/KR2018/009956)
[87] (WO2019/045436)
[30] KR (10-2017-0109677) 2017-08-29

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[13] C
[51] **Int.Cl. B63C 9/22 (2006.01)**
[25] FR
[54] **RETAINER WITH REMOTE-CONTROLLED RELEASE FOR A LIFEBUOY**
[54] **DISPOSITIF DE RETENUE A LIBERATION TELECOMMANDEE POUR UN ANNEAU DE SAUVETAGE**
[72] MONDOU, DANIEL, CA
[73] MONDOU, DANIEL, CA
[86] (3074277)
[87] (3074277)
[22] 2020-03-02

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[13] C
[51] **Int.Cl. H04L 1/22 (2006.01) H03M 13/11 (2006.01) H03M 13/15 (2006.01) H03M 13/29 (2006.01) H04L 27/34 (2006.01)**
[25] EN
[54] **TRANSMITTER AND SHORTENING METHOD THEREOF**
[54] **EMETTEUR ET SON PROCEDE DE RACCOURCISSEMENT**
[72] JEONG, HONG-SIL, KR
[72] KIM, KYUNG-JOONG, KR
[72] MYUNG, SE-HO, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[86] (3074770)
[87] (3074770)
[22] 2016-03-02
[62] 2,977,214
[30] US (62/127,023) 2015-03-02
[30] KR (10-2015-0137183) 2015-09-27

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[13] C
[51] **Int.Cl. F24C 15/20 (2006.01) F24F 13/10 (2006.01)**
[25] EN
[54] **DAMPER FOR KITCHEN EXHAUST HOOD**
[54] **AMORTISSEUR POUR HOTTE DE CUISINE**
[72] SHAHIDINEJAD, SOHEIL, CA
[72] MILLS, THOMAS E., CA
[72] GARDNER, JOSHUA, CA
[73] SPRING AIR SYSTEMS INC., CA
[86] (3074814)
[87] (3074814)
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[30] US (16/297,980) 2019-03-11

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[13] C
[51] **Int.Cl. A61N 1/378 (2006.01) H02J 50/10 (2016.01) H02J 7/02 (2016.01)**
[25] EN
[54] **MICROPROCESSOR CONTROLLED CLASS E DRIVER**
[54] **CIRCUIT D'ATTAQUE DE CLASSE E COMMANDE PAR MICROPROCESSEUR**
[72] DEARDEN, BRIAN R., US
[72] WOLFE, JAMES H., US
[72] KHEMANI, MANISH, US
[73] ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH, US
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[25] EN
[54] **COIL PROTECTION ASSEMBLY**
[54] **ENSEMBLE DE PROTECTION A BOBINE**
[72] COLLINS, GREGORY JAMES, CA
[72] RONCADIN, STEVEN, CA
[72] DOBO, ERIN DAWN, CA
[73] GRIT INC., CA
[85] 2020-03-20
[86] 2018-10-04 (PCT/IB2018/001247)
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[30] US (62/568,830) 2017-10-06

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[51] **Int.Cl. B60N 2/28 (2006.01)**
[25] EN
[54] **CHILD SAFETY SEAT**
[54] **SIEGE DE SECURITE POUR ENFANT**
[72] ZHANG, DA LIANG, CN
[73] BAMBINO PREZIOSO SWITZERLAND AG, CH
[86] (3077919)
[87] (3077919)
[22] 2020-04-08
[30] CN (201910345902.1) 2019-04-26

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[25] EN
[54] **RAILWAY TRUCK WITH ELASTOMERIC SUSPENSION**
[54] **BOGIE A SUSPENSION ELASTOMERE**
[72] ZACHARY, HARRIS, US
[73] AMSTED RAIL COMPANY, INC., US
[85] 2020-04-02
[86] 2018-10-02 (PCT/US2018/053970)
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[51] **Int.Cl. B64G 1/58 (2006.01) F16B 5/02 (2006.01)**
[25] EN
[54] **HIGH FRACTURE TOUGHNESS CERAMIC SUPPORT NUT PLATE AND GANG CHANNEL**
[54] **PLAQUE D'ECROU DE SOUTIEN EN CERAMIQUE A HAUTE RESISTANCE A LA FRACTURE ET CANAL DE TRAIN**
[72] DICHIARA, ROBERT A., US
[73] THE BOEING COMPANY, US
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[87] (3079436)
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[51] **Int.Cl. H04W 12/069 (2021.01) H04W 4/46 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CERTIFICATE SELECTION IN VEHICLE-TO-VEHICLE APPLICATIONS TO ENHANCE PRIVACY**
[54] **SYSTEME ET METHODE DE SELECTION DE CERTIFICAT DANS LES APPLICATIONS DE VEHICULE A VEHICULE AFIN D'AUGMENTER LA CONFIDENTIALITE**
[72] ROMANSKY, BRIAN M., US
[72] GRANTCHAROV, CONSTANTINE, CA
[72] EBEID, NEVINE MAURICE NASSIF, CA
[73] ETAS EMBEDDED SYSTEMS CANADA INC., CA
[86] (3080676)
[87] (3080676)
[22] 2017-01-19
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[30] US (62/288,010) 2016-01-28

[11] **3,082,293**
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[51] **Int.Cl. A47L 13/51 (2006.01)**
[25] EN
[54] **CLEANING CART AND FRAME THEREFOR**
[54] **CHARIOT DE NETTOYAGE ET CADRE POUR CELUI-CI**
[72] DEERBERG, JENS, DE
[72] GRATZKI, TORSTEN, DE
[72] BARBER, STEVE, GB
[72] JURGENS, RALF, DE
[72] FALLENSTEIN, FELIX, DE
[72] SAND, NIKOLAI, DE
[72] EISENHUT, ANDREAS, DE
[73] CARL FREUDENBERG KG, DE
[85] 2020-05-11
[86] 2018-11-08 (PCT/EP2018/080538)
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[51] **Int.Cl. E21B 47/12 (2012.01) E21B 17/02 (2006.01)**
[25] EN
[54] **REAL TIME MONITORING OF WELL INTEGRITY**
[54] **SURVEILLANCE EN TEMPS REEL D'INTEGRITE DE PUITS**
[72] TUBEL, PAULO, US
[72] BERGERON, CLARK, US
[72] BEZERRA DE MELO, RICARDO CESAR, ES
[72] DICKSON, FOREST, US
[72] EID, RAMY NABIL, ES
[73] REPSOL, S.A., ES
[73] TUBEL ENERGY LLC, US
[85] 2020-05-12
[86] 2018-11-13 (PCT/EP2018/081103)
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[30] US (15/811,151) 2017-11-13

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[51] **Int.Cl. G01F 15/00 (2006.01) F17D 1/20 (2006.01)**
[25] EN
[54] **PIPE ASSEMBLY WITH STATIC MIXER AND FLOW CONDITIONER**
[54] **ENSEMBLE TUYAU A MELANGEUR STATIQUE ET CONDITIONNEUR D'ECOULEMENT**
[72] SELIRIO, REGINALD, CA
[72] SELIRIO, RAPHAEL, CA
[72] SAWCHUK, DANIEL, CA
[73] CANADA PIPELINE ACCESSORIES, CO. LTD., CA
[85] 2020-05-29
[86] 2019-05-02 (PCT/CA2019/050576)
[87] (WO2019/213750)
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[13] C
[51] **Int.Cl. E21B 10/42 (2006.01) E21B 10/54 (2006.01)**
[25] EN
[54] **EARTH-BORING TOOLS HAVING A SELECTIVELY TAILORED GAUGE REGION FOR REDUCED BIT WALK AND METHOD OF DRILLING WITH SAME**
[54] **OUTILS DE FORAGE AYANT UNE REGION DE JAUGE ADAPTEE SELECTIVEMENT POUR DEPLACEMENT DE TREPAN REDUIT ET PROCEDE DE FORAGE AVEC CEUX-CI**
[72] SPENCER, REED W., US
[72] PIERCE, BRAD, US
[72] WALKOWIAK, ETHAN THOMAS, US
[72] MARTHA, BOBBY JAMES, US
[72] ARAMBULA-CANTU, HECTOR DAVID, US
[73] BAKER HUGHES HOLDINGS LLC, US
[85] 2020-03-30
[86] 2018-09-28 (PCT/US2018/053568)
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[25] EN
[54] **SOYBEAN VARIETY 5PNBY64**
[54] **VARIETE DE SOYA 5PNBY64**
[72] FORESMAN, BRADLEY J., US
[72] SCHULTZE, DENNIS, US
[73] AGRIGENETICS, INC., US
[86] (3086839)
[87] (3086839)
[22] 2020-07-15
[30] US (16/917,951) 2020-07-01

[11] **3,086,847**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 11/00 (2021.01) A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01) A01N 63/22 (2020.01) A01N 3/00 (2006.01) A01N 37/46 (2006.01) A01N 37/50 (2006.01) A01N 51/00 (2006.01)**
[25] EN
[54] **SOYBEAN VARIETY 5PAZG19**
[54] **VARIETE DE SOYA 5PAZG19**
[72] CAMPBELL, WILLIAM M., US
[72] DAMON, STEVE, US
[73] AGRIGENETICS, INC., US
[86] (3086847)
[87] (3086847)
[22] 2020-07-15
[30] US (16/917,952) 2020-07-01

[11] **3,086,856**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 11/00 (2021.01) A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOYBEAN VARIETY 5PLDE25**
[54] **VARIETE DE SOYA 5PLDE25**
[72] HAYES, MARK F., US
[72] NEUS, JASON DAVID, US
[73] AGRIGENETICS, INC., US
[86] (3086856)
[87] (3086856)
[22] 2020-07-15
[30] US (16/917,954) 2020-07-01

[11] **3,099,542**
[13] C
[51] **Int.Cl. A45F 3/22 (2006.01) A45F 3/24 (2006.01)**
[25] EN
[54] **PORTABLE SELF-STANDING HAMMOCK FRAME WITH SHORTENED HAMMOCK AND METHOD FOR SUSPENDING SHORTENED HAMMOCK ON A FRAME**
[54] **CADRE DE HAMAC AUTONOME PORTABLE AVEC HAMAC RACCOURCI ET PROCEDE DE SUSPENSION DE HAMAC RACCOURCI SUR UN CADRE**
[72] DREW, JASON, US
[72] SVENSRUD, CHRISTOPHER, US
[72] ZHUANG, MIN, US
[73] COCAM INTERNATIONAL ENTERPRISES LTD., CN
[85] 2020-11-05
[86] 2019-02-15 (PCT/US2019/000005)
[87] (WO2019/216958)
[30] US (62/762,579) 2018-05-10

[11] **3,100,589**
[13] C
[51] **Int.Cl. G01V 5/00 (2006.01) G01T 1/36 (2006.01)**
[25] EN
[54] **MULTIFACETED RADIATION DETECTION AND CLASSIFICATION SYSTEM**
[54] **SYSTEME DE DETECTION ET DE CLASSIFICATION DE RAYONNEMENT MULTIFACETTE**
[72] LABOV, SIMON E., US
[72] NELSON, KARL E., US
[72] SEILHAN, BANDON S., US
[73] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
[85] 2020-11-16
[86] 2019-05-20 (PCT/US2019/033159)
[87] (WO2020/068178)
[30] US (62/673,750) 2018-05-18
[30] US (62/805,825) 2019-02-14

[11] **3,100,979**
[13] C
[51] **Int.Cl. A47G 21/18 (2006.01)**
[25] EN
[54] **BIO-DEGRADABLE MEANS FOR USE AS DRINKING STRAW, STIRRER AND CHOP STICK AND A METHOD THEREOF**
[54] **MOYEN BIODEGRADABLE A UTILISER COMME PAILLE, AGITATEUR ET BAGUETTE, ET PROCEDE ASSOCIE**
[72] VARGHESE, SAJI, IN
[73] EVLOGIA ECO CARE PRIVATE LIMITED, IN
[85] 2020-11-19
[86] 2019-08-27 (PCT/IN2019/050621)
[87] (WO2020/044370)
[30] IN (201841032438) 2018-08-29

[11] **3,102,132**
[13] C
[51] **Int.Cl. H04B 1/10 (2006.01) H04B 17/345 (2015.01) H04B 7/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPTIMIZING INTERMODULATION PERFORMANCE OF RECEIVERS**
[54] **SYSTEME ET PROCEDE POUR OPTIMISER LE RENDEMENT INTERMODULATION DES RECEPTEURS**
[72] ERICSON, DANIEL W., US
[72] HARTLESS, MAC L., US
[72] LAYNE, DENNIS R., US
[72] PROSSER, NATHAN T., US
[72] ROYSTER, CATHERINE D., US
[73] EAGLE TECHNOLOGY, LLC, US
[86] (3102132)
[87] (3102132)
[22] 2020-12-09
[30] US (16/737,582) 2020-01-08

[11] **3,102,639**
[13] C
[51] **Int.Cl. B60R 16/023 (2006.01) B60K 35/00 (2006.01) B60K 37/04 (2006.01) B60R 11/02 (2006.01) B60W 50/00 (2006.01)**
[25] EN
[54] **VEHICLE OPERATION WITH DOCKED SMART DEVICE**
[54] **FONCTIONNEMENT DE VEHICULE AVEC DISPOSITIF INTELLIGENT FIXE**
[72] GIRAUD, DAMON JAY, CA
[72] KWONG, DOMINIQUE, CA
[72] LEUNG, RAYMOND C.L., CA
[73] DAMON MOTORS INC., CA
[85] 2020-12-04
[86] 2019-06-06 (PCT/CA2019/050794)
[87] (WO2019/232636)
[30] US (62/681,835) 2018-06-07

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[13] C
[51] **Int.Cl. B41F 11/02 (2006.01) B41F 19/00 (2006.01)**
[25] EN
[54] **DEVICES FOR ALIGNING MAGNETIC OR MAGNETIZABLE PARTICLES, MACHINE, AND METHOD FOR PRODUCING OPTICALLY VARIABLE IMAGE ELEMENTS**
[54] **DISPOSITIFS D'ORIENTATION DE PARTICULES MAGNETIQUES OU MAGNETISABLES, MACHINE ET PROCEDE DE PRODUCTION D'ELEMENTS D'IMAGE OPTIQUEMENT VARIABLES**
[72] JANTSCH, ANDREAS, DE
[72] KREPS, EDWIN, DE
[72] SCHELLER, MICHAEL, DE
[73] KOENIG & BAUER AG, DE
[85] 2020-11-18
[86] 2019-05-17 (PCT/EP2019/062812)
[87] (WO2020/020507)
[30] DE (10 2018 212 429.9) 2018-07-25
[30] DE (10 2018 212 427.2) 2018-07-25

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[13] C
[51] **Int.Cl. F01D 25/16 (2006.01) F02C 3/10 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **VENTING SYSTEM FOR BEARING SUMP**
[54] **DISPOSITIF DE DEGAZAGE DE CARTER DE PALIER**
[72] MEI, LUCIANO, IT
[72] CARATELLI, FRANCESCO, IT
[72] RUSSO, ALESSANDRO, IT
[72] MARIOTTI, MASSIMILIANO, IT
[72] CECCHERINI, ALBERTO, IT
[73] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2020-12-08
[86] 2019-06-14 (PCT/EP2019/025183)
[87] (WO2019/242888)
[30] IT (102018000006394) 2018-06-18

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[51] **Int.Cl. G06T 11/00 (2006.01) G06F 3/14 (2006.01) G06T 7/00 (2017.01) G06T 11/60 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GENERATING AN AUGMENTED REALITY IMAGE**
[54] **METHODE ET SYSTEME DE PRODUCTION D`UNE IMAGE DE REALITE AUGMENTEE**
[72] MILLETTE, ALEXANDRE, CA
[72] BERUBE, SAMUEL, CA
[73] CAE INC, CA
[86] (3103562)
[87] (3103562)
[22] 2020-12-22

[11] **3,109,756**
[13] A1
[51] **Int.Cl. B29C 64/118 (2017.01) B29C 64/209 (2017.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CREATING METAL MATRIX COMPOSITE THREE-DIMENSIONAL OBJECTS**
[54] **APPAREIL ET PROCEDE DE CREATION D'OBJETS TRIDIMENSIONNELS COMPOSITES A MATRICE METALLIQUE**
[72] CARRIER, PHILIPPE, CA
[72] GELINAS-GUY, MAXENCE, CA
[73] DYZE DESIGN INC., CA
[73] CARRIER, PHILIPPE, CA
[73] GELINAS-GUY, MAXENCE, CA
[86] (3109756)
[87] (3109756)
[22] 2019-07-30
[62] 3,102,660
[30] US (62/712,671) 2018-07-31

[11] **3,110,274**
[13] C
[51] **Int.Cl. G02B 6/38 (2006.01) A61N 1/08 (2006.01) A61N 5/06 (2006.01) A61B 18/24 (2006.01) G02B 6/42 (2006.01) G02B 7/00 (2021.01)**
[25] EN
[54] **OPTICAL FIBRES CONNECTOR FOR OPTOELECTRONIC ACTIVE IMPLANTABLE MEDICAL DEVICE (AIMD)**
[54] **CONNECTEUR DE FIBRES OPTIQUES POUR DISPOSITIF MEDICAL IMPLANTABLE ACTIF (AIMD) OPTOELECTRONIQUE**
[72] GODFRAIND, CARMEN, BE
[72] DOGUET, PASCAL, BE
[72] DE COCK DE RAMEYEN, AURELIE, BE
[72] NIEUWENHUYS, AURORE, BE
[72] CALLEGARI, VINCENT, FR
[73] SYNERGIA MEDICAL, BE
[85] 2021-02-22
[86] 2018-08-31 (PCT/EP2018/073436)
[87] (WO2020/043302)

[11] **3,124,299**
[13] C
[51] **Int.Cl. B24D 3/34 (2006.01) C09K 3/14 (2006.01)**
[25] EN
[54] **ABRASIVE ARTICLE WITH MICROPARTICLE-COATED ABRASIVE GRAINS**
[54] **ARTICLE ABRASIF AVEC GRAINS ABRASIFS REVETUS DE MICROPARTICULES**
[72] BEIERMANN, BRETT A., US
[72] NIENABER, AARON K., US
[72] ECKEL, JOSEPH B., US
[72] GIVOT, MAIKEN, US
[72] NELSON, THOMAS J., US
[72] ALKHAS, ROBINETTE S., US
[72] ERICKSON, DWIGHT D., US
[72] VAN, LOC X., US
[72] SCHILLO-ARMSTRONG, MELISSA C., US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2021-06-18
[86] 2019-12-16 (PCT/IB2019/060845)
[87] (WO2020/128783)
[30] US (62/780,958) 2018-12-18

[11] **3,125,498**
[13] C
[51] **Int.Cl. H01H 71/12 (2006.01)**
[25] EN
[54] **ELECTRICAL SWITCH CONTROL**
[54] **COMMANDE D'INTERRUPTEUR ELECTRIQUE**
[72] CHENG, LINA, CN
[73] ANHUI ONESKY ELECTRIC TECH. CO. LTD, CN
[85] 2021-06-30
[86] 2019-02-14 (PCT/CN2019/075012)
[87] (WO2020/143096)
[30] CN (201910015967.X) 2019-01-08

[11] **3,125,525**
[13] C
[51] **Int.Cl. A61M 3/02 (2006.01) A61B 17/34 (2006.01) A61H 23/00 (2006.01) A61M 25/04 (2006.01) A61M 25/10 (2013.01) A61M 29/02 (2006.01)**
[25] EN
[54] **PORTABLE PERCUSSIVE MASSAGE DEVICE**
[54] **DISPOSITIF DE MASSAGE PAR PERCUSSION PORTATIF**
[72] WERSLAND, JASON, US
[72] NAZARIAN, BENJAMIN, US
[72] SOLANA, JAIME SANCHEZ, US
[72] MERINO, EDUARDO, US
[73] THERAGUN, INC., US
[85] 2021-06-29
[86] 2020-05-04 (PCT/US2020/031339)
[87] (WO2020/227225)
[30] US (62/844,424) 2019-05-07
[30] US (62/899,098) 2019-09-11
[30] US (29/708,815) 2019-10-09
[30] US (16/824,328) 2020-03-19

[11] **3,125,793**
[13] C
[51] **Int.Cl. G01C 11/04 (2006.01)**
[25] EN
[54] **HARVEST CONFIRMATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CONFIRMATION DE RECOLTE**
[72] BENGTSON, JACOB WALKER, CA
[72] BRYANT, CHAD RICHARD, CA
[72] AHMED, FAISAL, CA
[73] FARMERS EDGE INC., CA
[85] 2021-07-06
[86] 2020-01-28 (PCT/CA2020/050102)
[87] (WO2020/160642)
[30] US (62/801,615) 2019-02-05

[11] **3,126,878**
[13] C
[51] **Int.Cl. A61B 18/14 (2006.01) A61B 18/12 (2006.01)**
[25] EN
[54] **MULTI-ELECTRODE ABLATION DEVICE**
[54] **DISPOSITIF D'ABLATION MULTIPOLAIRE**
[72] WANG, JIE, CN
[73] SYMAP MEDICAL (SUZHOU), LTD, CN
[85] 2021-07-15
[86] 2020-01-30 (PCT/CN2020/074075)
[87] (WO2020/156496)
[30] CN (201910089932.0) 2019-01-30
[30] CN (201910096490.2) 2019-01-31

[11] **3,128,008**
[13] C
[51] **Int.Cl. G06K 7/14 (2006.01) H04W 12/04 (2021.01) G06F 21/44 (2013.01) H04W 4/38 (2018.01) H04W 12/30 (2021.01) H04L 9/30 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **AUTHENTICATION FOR CONNECTING A BARCODE READER TO A CLIENT COMPUTING DEVICE**
[54] **AUTHENTIFICATION POUR CONNECTER UN LECTEUR DE CODES A BARRES A UN DISPOSITIF INFORMATIQUE CLIENT**
[72] BHELLA, KENNETH S., US
[72] WRIGHT, MARIYA, US
[73] ZEBRA TECHNOLOGIES CORPORATION, US
[85] 2021-07-27
[86] 2019-10-18 (PCT/US2019/057041)
[87] (WO2020/131207)
[30] US (16/221,753) 2018-12-17

[11] **3,133,618**
[13] C
[51] **Int.Cl. E21D 9/00 (2006.01) E21D 9/06 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM OF CONSTRUCTING AN UNDERGROUND TUNNEL**
[54] **PROCEDE ET SYSTEME DE CONSTRUCTION D'UN TUNNEL SOUTERRAIN**
[72] JORDAN, STEPHEN, GB
[73] HYPERTUNNEL LIMITED, GB
[85] 2021-09-14
[86] 2020-03-20 (PCT/GB2020/050756)
[87] (WO2020/193960)
[30] GB (1903979.1) 2019-03-22

[11] **3,135,081**
[13] C
[51] **Int.Cl. C08L 23/12 (2006.01)**
[25] EN
[54] **RECYCLED POLYETHYLENE-POLYPROPYLENE BLENDS COMPRISING A COMPATIBILIZER**
[54] **MELANGES DE POLYETHYLENE-POLYPROPYLENE RECYCLES COMPRENANT UN AGENT DE COMPATIBILITE**
[72] KAHLEN, SUSANNE, AT
[72] BRAUN, HERMANN, AT
[72] LIU, YI, AT
[72] GAHLEITNER, MARKUS, AT
[72] HUBNER, GERHARD, AT
[73] BOREALIS AG, AT
[85] 2021-09-27
[86] 2020-03-27 (PCT/EP2020/058710)
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[30] EP (19166181.8) 2019-03-29
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[54] **BANDWIDTH SHARING AMONGST TRUSTED PEERS**
[54] **PARTAGE DE BANDE PASSANTE ENTRE HOMOLOGUES DE CONFIANCE**
[72] ATHLUR, ANUDEEP NARASIMHAPRASAD, IN
[72] DHANABALAN, PRAVEEN RAJA, IN
[72] MAGAZINE, ANUJ, IN
[73] CITRIX SYSTEMS, INC., US
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[54] **LIGHTING SYSTEM**
[54] **SYSTEME D'ECLAIRAGE**
[72] SONNEMAN, ROBERT A., US
[72] GARNETT, CHRISTIAN N., US
[73] CONTEMPORARY VISIONS, LLC, US
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[25] EN
[54] **AIR DISTRIBUTION AND HEAT EXTRACTION FOR PLANT CANOPY**
[54] **DISTRIBUTION D'AIR ET EXTRACTION DE CHALEUR POUR CANOPEE VEGETALE**
[72] BREZA, EMIL V., CA
[72] MATHESON, IAN, CA
[73] AGRICULTRA ADVANCEMENTS INC., CA
[85] 2021-11-05
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[54] **RV RETROFIT SYSTEM**
[54] **SYSTEME DE MODIFICATION DE VEHICULE DE PLAISANCE**
[72] HUNTER, JEFFREY, US
[72] FREYERMUTH, DAN, US
[72] DONALDSON, ADAM, US
[72] ISBELL, MARK, US
[72] LANG, BRENT, US
[72] SLATER, DAVE, US
[73] STORYTELLER OVERLAND, LLC, US
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[54] **AGENCEMENT DE SUPPORT D'AEROPORT ET PROCEDE ASSOCIE**
[72] HAKANSSON, PETER, SE
[73] ADB SAFEGATE SWEDEN AB, SE
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Demandes canadiennes mises à la disponibilité du public

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[54] **BUCKLE DEVICE**
[54] **DISPOSITIF DE BOUCLE**
[72] CHIU, SHIH-KUANG, TW
[71] BROGENT TECHNOLOGIES INC., TW
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[51] **Int.Cl. A47C 16/00 (2006.01) A63F 13/98 (2014.01) A47C 9/00 (2006.01)**
[25] EN
[54] **VIDEO GAMING SUPPORT DEVICE**
[54] **DISPOSITIF DE SUPPORT POUR JEU VIDEO**
[72] SHIER, ANDREW, CA
[71] SHIER, ANDREW, CA
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[54] **PRESS WHEEL ASSEMBLY FOR DELICATE SEED PLANTING AND DATA ACQUISITION FOR A SEED PLANTER**
[54] **ASSEMBLAGE DE ROUE DE PRESSE POUR LE PLANTAGE DE SEMENCES DELICATES ET ACQUISITION DE DONNEES POUR UN SEMOIR**
[72] MCCLOSKEY, ROBERT CRAIG, CA
[71] MCCLOSKEY, ROBERT CRAIG, CA
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[54] **TRAILER COUPLER LOCK**
[54] **VERROU D'ATTELAGE DE REMORQUE**
[72] COLEMAN, CHAD R., CA
[72] BROWN, GRANT P., CA
[71] COLEMAN, CHAD R., CA
[71] BROWN, GRANT P., CA
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[54] **FRENCH FRIES WITH INTERNAL FILLING**
[54] **FRITES A GARNITURE INTERIEURE**
[72] WOOD, JAYDE, CA
[72] WOOD, DANIEL, CA
[71] WOOD, JAYDE, CA
[71] WOOD, DANIEL, CA
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[25] EN
[54] **A SPORTING EQUIPMENT SHAFT AND BLADE**
[54] **ARBRE ET LAME D'EQUIPEMENT SPORTIF**
[72] YUZHAKOV, ARTEM, CA
[71] YUZHAKOV, ARTEM, CA
[22] 2020-09-23
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[54] **LIGHT INSTALLATION TOOL**
[54] **OUTIL D'INSTALLATION DE LUMIERE**
[72] KLATT, WILLIAM D., CA
[71] KLATT, WILLIAM D., CA
[22] 2020-09-24
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[54] **EZJECT HOLE SAW ARBOR**
[54] **ARBRE DE SCIE CYLINDRIQUE EZ-JECT**
[72] KNOWLES, RICHARD, CA
[71] KNOWLES, RICHARD, CA
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[51] **Int.Cl. A41D 13/11 (2006.01) H02S 10/00 (2014.01) A42B 3/18 (2006.01) A63B 71/10 (2006.01)**
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[54] **FACE-TOUCH PREVENTION DEVICE**
[54] **DISPOSITIF POUR EMPECHER DE TOUCHER LE VISAGE**
[72] BAMBRICK, GORDON D., CA
[71] BAMBRICK, GORDON D., CA
[22] 2020-09-24
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[54] **DEEP LEARNING NEURON NETWORK IN RISK MANAGEMENT**
[54] **RESEAU NEURONAL D'APPRENTISSAGE PROFOND DANS LA GESTION DE RISQUE**
[72] ZHANG, YUDONG, CA
[72] AI, DI, CA
[72] SHENG, SIYUAN, CA
[71] ZHANG, YUDONG, CA
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[54] **LASER MARKED OPTICALLY VARIABLE DEVICE**
[54] **DISPOSITIF A VARIATION OPTIQUE MARQUE AU LASER**
[72] THURAILINGAM, THIVAHARAN, CA
[72] CRISAN, SILVIU, CA
[71] CANADIAN BANK NOTE COMPANY, LIMITED, CA
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[54] **INTERACTIVE TOUCH DISPLAY SYSTEM FOR KITCHEN COUNTERTOPS**
[54] **SYSTEME D'ECRAN TACTILE INTERACTIF POUR COMPTOIRS DE CUISINE**
[72] NAYAR, AMARMEET, CA
[72] NAYAR, HARMEET, CA
[71] ATLAS GRANITE INC., CA
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[54] **HAT CLEANING APPARATUS**
[54] **APPAREIL DE NETTOYAGE DE CHAPEAU**
[72] PALMER, WAYNE, CA
[71] PALMER, WAYNE, CA
[22] 2020-09-25
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[54] **FOOT RING AND COLLAR FOR PRESSURIZED TANK**
[54] **FRETTE ET COL DE PIED POUR UN RESERVOIR SOUS PRESSION**
[72] LEBLANC, DANIEL, CA
[71] DITECH PAINT CO, CA
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[51] **Int.Cl. B65G 7/00 (2006.01) B25G 1/00 (2006.01) F17C 13/00 (2006.01)**
[25] EN
[54] **GAS CYCLINDER MOBILITY AID**
[54] **AIDE A LA MOBILITE D'UNE BOUTEILLE A GAZ**
[72] TAVES, RICHARD BRADLEY, CA
[71] TAVES, RICHARD BRADLEY, CA
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[51] **Int.Cl. A41D 13/12 (2006.01)**
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[54] **METHOD FOR FABRICATING PROTECTIVE GARMENTS**
[54] **METHODE DE FABRICATION DE VETEMENTS PROTECTEURS**
[72] DAHIYA, VIKRAMSINGH, CA
[72] FARGHAWI, AHMAD, CA
[72] MCDONALD, JON, CA
[72] PELTIER, GREG, CA
[71] WINDSOR MACHINE AND STAMPING (2009) LTD., CA
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[25] EN
[54] **PROCESSING OF A BITUMEN FROTH TREATMENT OVERFLOW STREAM FROM FROTH TREATMENT TAILINGS FOR ENHANCED RECOVERY OF BITUMEN**
[54] **TRAITEMENT D'UN FLUX DE DEBORDEMENT DE TRAITEMENT D'ECUME DE BITUME PROVENANT DE RESIDUS DE TRAITEMENT D'ECUME POUR UNE RECUPERATION AMELIOREE DU BITUME**
[72] HOLLANDER, ELCO DICK, CA
[72] DERAKHSHANDEH, BABAK, CA
[72] ALLY, JAVED, CA
[72] TOOR, RAMN, CA
[72] BROWN, WAYNE, CA
[71] SUNCOR ENERGY INC., CA
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[51] **Int.Cl. B64G 1/40 (2006.01) H02N 15/00 (2006.01)**
[25] EN
[54] **METHOD OF LEVITATION AND DYNAMICS POWER PRODUCTION BASED ON EARTH MAGNETIC FIELD'S GRADIENT**
[54] **METHODE DE LEVITATION ET PRODUCTION DE PUISSANCE DYNAMIQUE EN FONCTION DU GRADIENT DE CHAMP MAGNETIQUE TERRESTRE**
[72] ZHUKOV, SERGEY V., CA
[72] SAFONOV, DENIS I., RU
[71] ZHUKOV, SERGEY V., CA
[71] SAFONOV, DENIS I., RU
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[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 10/06 (2012.01)**
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[54] **MANAGEMENT OF PROGRAMMATIC AND COMPLIANCE WORKFLOWS USING ROBOTIC PROCESS AUTOMATION**
[54] **GESTION DES CHARGES DE TRAVAIL DE PROGRAMMES ET D'OBSERVATION AU MOYEN DE L'AUTOMATISATION ROBOTISEE DES PROCEDES**
[72] JESKE, HEATHER MAY, CA
[72] LEE, JUSTIN LEONARD, CA
[72] MALLIAH, AVINASH, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2020-09-25
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[51] **Int.Cl. G06F 16/903 (2019.01)**
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[54] **SYSTEM AND METHOD FOR STORING AND RETRIEVING INFORMATION**
[54] **SYSTEME ET METHODE DE STOCKAGE ET DE RECUPERATION DE RENSEIGNEMENTS**
[72] MANN, KAMALDEEP SINGH, CA
[71] MANN, KAMALDEEP SINGH, CA
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[25] EN
[54] **BOREHOLE DOSING APPARATUS, ARRANGEMENT AND METHOD**
[54] **APPAREIL DE DOSAGE DE TROU DE FORAGE, CONFIGURATION ET METHODE**
[72] SHOLER, SCOTT, AU
[71] REFLEX INSTRUMENTS ASIA PACIFIC PTY LTD, AU
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[51] **Int.Cl. G07F 19/00 (2006.01) G06K 7/01 (2006.01)**
[25] EN
[54] **AUTOMATED TELLER MACHINE CARD EJECTION MECHANISM**
[54] **MECANISME D'EJECTION DE CARTE POUR UN GUICHET AUTOMATIQUE**
[72] YOUNG, STEPHEN, US
[72] KOLESARIC, MATTHEW, US
[72] KIDD, MICHAEL, US
[71] CAPITAL ONE SERVICES, LLC, US
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[51] **Int.Cl. A61J 3/00 (2006.01)**
[25] EN
[54] **DEVICE FOR HANDLING A SYRINGE AND AUTOMATED DEVICE FOR PREPARING INTRAVENOUS MEDICATION COMPRISING SAID DEVICE FOR HANDLING A SYRINGE**
[54] **DISPOSITIF POUR MANIPULER UNE SERINGUE ET DISPOSITIF AUTOMATISE POUR PREPARER UN MEDICAMENT PAR INTRAVEINEUSE COMPRENANT LEDIT DISPOSITIF POUR MANIPULER LA SERINGUE**
[72] TELLERIA GARAY, NAIARA, ES
[72] LIZARRITURRI MARTIARENA, ASIER, ES
[72] URTZELAI ARANBARRI, PATXI, ES
[71] KIRO GRIFOLS, S.L., ES
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[51] **Int.Cl. E21B 43/17 (2006.01) E21B 43/26 (2006.01) E21B 43/30 (2006.01) E21B 47/06 (2012.01)**
[25] EN
[54] **REAL TIME PARENT CHILD WELL INTERFERENCE CONTROL**
[54] **CONTROLE D'INTERFERENCE DE PUITS PARENT-ENFANT EN TEMPS REEL**
[72] SHETTY, DINESH ANANDA, US
[72] RUHLE, WILLIAM OWEN ALEXANDER, US
[72] SRIDHAR, SRIVIDHYA, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **UNKNOWN**
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[72] RISTIVOJEVIC, NIKOLA P., CA
[71] RISTIVOJEVIC, NIKOLA P., CA
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[51] **Int.Cl. B65H 75/22 (2006.01) B65H 75/14 (2006.01)**
[25] EN
[54] **DISASSEMBABLE REEL APPARATUS AND METHOD**
[54] **APPAREIL ET METHODE DE TOURET DETACHABLE**
[72] STREET, ROBERT, US
[72] GEHRKE, MICHAEL, US
[71] MMG INDUSTRIES, INC., US
[22] 2020-10-09
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[51] **Int.Cl. F17D 5/02 (2006.01) F17D 5/06 (2006.01)**
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[54] **BORE AND ANNULUS MONITORING PIPE BREACH DETECTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE DETECTION DE FUITE DE TUYAU ET DE SURVEILLANCE DE TROU ET DE CHAMBRE ANNULAIRE**
[72] FRANCIS, KIRK SPENCER, US
[71] TRINITY BAY EQUIPMENT HOLDINGS, LLC, US
[22] 2021-01-26
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[51] **Int.Cl. A61H 23/02 (2006.01) A61M 21/00 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR USING MECHANICAL AFFECTIVE TOUCH THERAPY TO REDUCE STRESS, ANXIETY AND DEPRESSION**
[54] **DISPOSITIFS ET METHODES POUR UTILISER UNE THERAPIE DU TOUCHER AFFECTIF MECANIQUE POUR REDUIRE LE STRESS, L'ANXIETE ET LA DEPRESSION**
[72] GARIKAPATI, DURGA SAHITHI, US
[72] HAGBERG, SEAN, US
[72] KRESS, FRANCOIS, US
[71] APEX NEURO HOLDINGS, INC., US
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[51] **Int.Cl. G01V 9/00 (2006.01)**
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[54] **METHOD AND DEVICE FOR CALCULATING PRODUCTION OF UNCONVENTIONAL RESERVOIR WITH MULTI-SCALE SUPPORT BY FRACTURE-NETWORK FRACTURING**
[54] **METHODE ET DISPOSITIF POUR CALCULER LA PRODUCTION D'UN RESERVOIR NON TRADITIONNEL AVEC UN SUPPORT MULTI-ECHELLE PAR FRACTURATION DANS UN RESEAU DE FRACTURATION**
[72] ZHENG, FANHUI, CN
[72] GUO, JIANCHUN, CN
[72] ZHANG, YU, CN
[72] ZHANG, QIANG, CN
[71] SOUTHWEST PETROLEUM UNIVERSITY, CN
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[30] CN (202011023348.4) 2020-09-25

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[51] **Int.Cl. B65G 69/00 (2006.01)**
[25] EN
[54] **VEHICLE LEVELER WITH SAFETY FEATURES**
[54] **VERIN DE VEHICULE AVEC CARACTERISTIQUES DE SECURITE**
[72] LEUM, GRANT, US
[72] DEMERATH, ERIC, US
[71] LEUM ENGINEERING, INC. D/B/A DOCKZILLA CO., US
[22] 2021-04-16
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[51] **Int.Cl. B65G 69/30 (2006.01) B65G 69/34 (2006.01) B66F 7/22 (2006.01) E06B 11/02 (2006.01)**
[25] EN
[54] **VEHICLE LEVELER WITH SWING GATE**
[54] **VERIN DE VEHICULE AVEC VANNE OSCILLANTE**
[72] LEUM, GRANT, US
[72] DEMERATH, ERIC, US
[71] LEUM ENGINEERING, INC. D/B/A DOCKZILLA CO., US
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[41] 2022-03-21
[30] US (17/026,642) 2020-09-21
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[13] A1
[51] **Int.Cl. B65D 1/42 (2006.01) B65D 1/22 (2006.01)**
[25] EN
[54] **SHIPPING CONTAINER FOR ROLLED GOODS**
[54] **CONTENEUR D'EXPEDITION POUR DES BIENS ROULES**
[72] LEE, BRANDON J., US
[71] POLY-AMERICA, L.P., US
[22] 2021-04-29
[41] 2022-03-21
[30] US (17/027,156) 2020-09-21

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[13] A1
[51] **Int.Cl. G06V 30/41 (2022.01) G06F 16/33 (2019.01) G06N 3/02 (2006.01)**
[25] EN
[54] **QUERYING SEMANTIC DATA FROM UNSTRUCTURED DOCUMENTS**
[54] **RECHERCHE DE DONNEES SEMANTIQUES DANS DES DOCUMENTS NON STRUCTURES**
[72] HOEHNE, JOHANNES, DE
[72] REISSWIG, CHRISTIAN, DE
[71] SAP SE, DE
[22] 2021-05-20
[41] 2022-03-23
[30] US (17/029,180) 2020-09-23

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[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/30 (2012.01) A47G 29/30 (2006.01) B07C 3/00 (2006.01) E05B 47/00 (2006.01) E05G 1/02 (2006.01) E05G 1/026 (2006.01)**
[25] EN
[54] **SYSTEM FOR PARCEL PICKUP AND DELIVERY OPERATED RESPONSIVE TO DATA BEARING RECORDS**
[54] **SYSTEME DE RAMASSAGE ET DE LIVRAISON DE COLIS EXPLOITE EN REPONSE A DES DOSSIERS CONTENANT DES DONNEES**
[72] ESTILL, JIM, CA
[72] REDFERN, DARREN, CA
[71] SHIPPERBEE, INC., CA
[22] 2021-05-26
[41] 2022-03-22
[30] US (63/081,627) 2020-09-22

[21] **3,122,201**
[13] A1
[51] **Int.Cl. A23G 3/36 (2006.01) A23L 33/135 (2016.01) A23F 3/16 (2006.01) A23F 3/22 (2006.01) A23G 3/42 (2006.01) A23G 3/48 (2006.01) A23G 3/50 (2006.01) A23L 2/38 (2021.01)**
[25] EN
[54] **KOMBUCHA NATURAL HEALTH PRODUCTS**
[54] **PRODUITS DE SANTE NATURELS AU KOMBUCHA**
[72] KASURAK, ASHLEY, CA
[72] REMTULLA, HUSAYN, CA
[71] VIVA NATURALS, INC., CA
[22] 2021-06-14
[41] 2022-03-24

[21] **3,124,870**
[13] A1
[51] **Int.Cl. H01M 50/244 (2021.01) H01M 50/247 (2021.01) B25F 5/00 (2006.01) B25F 5/02 (2006.01) F16N 3/12 (2006.01)**
[25] EN
[54] **POWER TOOL BATTERY PACK RECEPTACLE**
[54] **SOCLE DE BLOC-BATTERIE POUR OUTIL ELECTRIQUE**
[72] KALAVALA, KRISHNA SAI TEJA, US
[72] WATSON, ELTON L., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2021-07-19
[41] 2022-03-23
[30] US (17/029,525) 2020-09-23

[21] **3,125,512**
[13] A1
[51] **Int.Cl. F16H 25/20 (2006.01) F16B 7/10 (2006.01)**
[25] EN
[54] **LINEAR ACTUATOR WITH ADJUSTABLE STROKE LENGTH**
[54] **ACTIONNEUR LINEAIRE AVEC LONGUEUR DE COURSE AJUSTABLE**
[72] DICKSON, ROBBIE, CA
[71] FIRGELLI AUTOMATIONS INC., CA
[22] 2021-07-21
[41] 2022-03-24
[30] US (63/082,990) 2020-09-24

[21] **3,126,127**
[13] A1
[51] **Int.Cl. H04L 12/22 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF ADAPTIVELY IDENTIFYING ANOMALOUS NETWORK COMMUNICATION TRAFFIC**
[54] **SYSTEMES ET METHODES POUR DETERMINER DE MANIERE ADAPTATIVE UN TRAFIC DE COMMUNICATION RESEAU ANORMAL**
[72] MAMMADLI, NARIMAN, CA
[72] VIYACHKI, ATANAS, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2021-07-27
[41] 2022-03-25
[30] US (17/033,232) 2020-09-25
[30] CA (3,094,545) 2020-09-25

[21] **3,126,524**
[13] A1
[51] **Int.Cl. B23P 11/00 (2006.01)**
[25] EN
[54] **PRE-ASSEMBLED ASSEMBLY FOR THE USE FOR CONNECTING TWO COMPONENTS AND METHOD FOR PRODUCING A PRE-ASSEMBLED ASSEMBLY**
[54] **ASSEMBLAGE PREASSEMBLE A UTILISER POUR JOINDRE DEUX COMPOSANTES ET METHODE DE PRODUCTION D'UN ASSEMBLAGE PREASSEMBLE**
[72] SCHMIDT, HEIKO, DE
[71] SCHMIDT, HEIKO, DE
[22] 2021-07-30
[41] 2022-03-25
[30] DE (10 2020 125 085.1) 2020-09-25

[21] **3,127,193**
[13] A1
[51] **Int.Cl. B65G 69/34 (2006.01) B60S 13/00 (2006.01)**
[25] EN
[54] **HYDRAULICALLY-POWERED VEHICLE LEVELER**
[54] **VERIN HYDRAULIQUE DE VEHICULE**
[72] LEUM, GRANT, US
[72] DEMERATH, ERIC, US
[71] LEUM ENGINEERING, INC. D/B/A DOCKZILLA CO., US
[22] 2021-08-06
[41] 2022-03-21
[30] US (17/322,889) 2021-05-17
[30] US (17/174,301) 2021-02-11
[30] US (17/026,642) 2020-09-21

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[13] A1
[51] **Int.Cl. B65G 69/34 (2006.01) B60S 13/00 (2006.01) B60T 3/00 (2006.01)**
[25] EN
[54] **VEHICLE LEVELER WITH WHEEL CHOCK**
[54] **VERIN DE VEHICULE AVEC CALE DE ROUE**
[72] LEUM, GRANT, US
[72] DEMERATH, ERIC, US
[71] LEUM ENGINEERING, INC. D/B/A DOCKZILLA CO., US
[22] 2021-08-09
[41] 2022-03-21
[30] US (17/355,160) 2021-06-22
[30] US (17/340,670) 2021-06-07
[30] US (17/322,889) 2021-05-17
[30] US (17/174,301) 2021-02-11
[30] US (17/026,642) 2020-09-21

[21] **3,127,273**
[13] A1
[51] **Int.Cl. B65G 69/28 (2006.01) B66F 7/16 (2006.01) B66F 7/26 (2006.01) B66F 17/00 (2006.01)**
[25] EN
[54] **VEHICLE LEVELER WITH DOOR INTERLOCK**
[54] **VERIN DE VEHICULE A INTERVERROUILLAGE DE PORTE**
[72] LEUM, GRANT, US
[72] DEMERATH, ERIC, US
[71] LEUM ENGINEERING, INC. D/B/A DOCKZILLA CO., US
[22] 2021-08-09
[41] 2022-03-21
[30] US (17/340,670) 2021-06-07
[30] US (17/322,889) 2021-05-17
[30] US (17/174,301) 2021-02-11
[30] US (17/026,642) 2020-09-21

[21] **3,128,767**
[13] A1
[51] **Int.Cl. G06T 19/00 (2011.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING AUGMENTED REALITY CONTENT BASED ON DISTORTED THREE-DIMENSIONAL MODELS**
[54] **SYSTEMES ET METHODES POUR GENERER DU CONTENU DE REALITE AUGMENTEE FONDES SUR DES MODELES TRIDIMENSIONNELS DEFORMES**
[72] HAAPOJA, JUHO MIKKO, CA
[72] DELGADO, BYRON LEONEL, CA
[72] LEROUX, STEPHAN, CA
[72] BEAUCHAMP, DANIEL, CA
[72] LALANI, MAAS MANSOOR ALI, CA
[71] SHOPIFY INC., CA
[22] 2021-08-23
[41] 2022-03-23
[30] US (17/029463) 2020-09-23
[30] EP (21174376.0) 2021-05-18

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[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR IN-STORE ROUTE RECOMMENDATIONS**
[54] **SYSTEMES ET METHODES INFORMATIQUES POUR DES RECOMMANDATIONS DE TRACES EN MAGASIN**
[72] HAAPOJA, JUHO MIKKO, CA
[72] DELGADO, BYRON LEONEL, CA
[72] LEROUX, STEPHAN, CA
[72] BEAUCHAMP, DANIEL, CA
[72] LALANI, MAAS MANSOOR ALI, CA
[71] SHOPIFY INC., CA
[22] 2021-08-23
[41] 2022-03-23
[30] US (17/029454) 2020-09-23
[30] EP (21174360.4) 2021-05-18

[21] **3,128,818**
[13] A1
[51] **Int.Cl. B25B 23/18 (2006.01) B25B 21/00 (2006.01) B25F 5/02 (2006.01) F21V 14/06 (2006.01)**
[25] EN
[54] **TOOL ILLUMINATION SOURCE**
[54] **SOURCE DE LUMIERE POUR OUTIL**
[72] RAJZER, MICHAEL T., US
[72] GENZ, JASON, US
[72] BOUWERS, CRAIG, US
[72] BEER, JOSHUA M., US
[71] SNAP-ON INCORPORATED, US
[22] 2021-08-24
[41] 2022-03-22
[30] US (17/028,296) 2020-09-22

[21] **3,128,844**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/30 (2012.01) B60W 60/00 (2020.01) G05D 1/02 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING EXCEPTIONS TO ORDERS COLLECTED BY AUTONOMOUS VEHICLES**
[54] **SYSTEMES ET METHODES DE GESTION DES EXCEPTIONS AUX COMMANDES RECUEILLIES PAR DES VEHICULES AUTONOMES**
[72] GRAHAM, MATTHEW, CA
[72] KREIS, JEFFREY, CA
[72] PAYNE, CHRISTOPHER, CA
[72] DEIGNAN, TIMOTHY, CA
[72] CACIOPPO, CHRISTOPHER, CA
[72] MELLON, ALEXA, CA
[71] 6 RIVER SYSTEMS, LLC, US
[22] 2021-08-24
[41] 2022-03-21
[30] US (17/027479) 2020-09-21

[21] **3,128,903**
[13] A1
[51] **Int.Cl. H01R 24/00 (2011.01) H01R 25/16 (2006.01)**
[25] EN
[54] **FREESTANDING ELECTRICAL RECEPTACLE**
[54] **PRISE ELECTRIQUE DEBOUT**
[72] RINER, RAYMOND H., US
[72] VALLEY, AUSTIN S., US
[71] GROUP DEKKO, INC., US
[22] 2021-08-25
[41] 2022-03-22
[30] US (17/027832) 2020-09-22

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[13] A1
[51] **Int.Cl. A01C 23/00 (2006.01) A01B 49/00 (2006.01) A01B 76/00 (2006.01) A01C 3/00 (2006.01) F04B 15/02 (2006.01) F04B 17/05 (2006.01) F04B 17/06 (2006.01)**
[25] EN
[54] **A TRANSFER ASSEMBLY FOR ATTACHMENT TO A FRONT PORTION OF AN AGRICULTURAL VEHICLE AND A METHOD OF USE**
[54] **ASSEMBLAGE DE TRANSFERT A ATTACHER A UNE PARTIE AVANT D'UN VEHICULE AGRICOLE ET METHODE D'UTILISATION**
[72] VANDERLOOP, ROBB J., US
[72] VANDERLOOP, CAREY L., US
[71] VANDERLOOP, ROBB J., US
[71] VANDERLOOP, CAREY L., US
[22] 2021-08-30
[41] 2022-03-25
[30] US (17/032,740) 2020-09-25

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[13] A1
[51] **Int.Cl. C02F 1/20 (2006.01) F24F 8/95 (2021.01) B01D 53/38 (2006.01) C02F 1/00 (2006.01) E04H 4/14 (2006.01) F24F 13/08 (2006.01) C02F 1/50 (2006.01)**
[25] EN
[54] **SYSTEM FOR THE REMOVAL OF VOLATILE PRODUCTS RESULTING FROM THE DISINFECTION OF WATER IN A SWIMMING POOL**
[54] **SYSTEME POUR L'ELIMINATION DE PRODUITS VOLATILS RESULTANT DE LA DESINFECTION DE L'EAU DE PISCINE**
[72] COLLETTO, ROBERTO, IT
[71] A & T EUROPE S.P.A., IT
[22] 2021-09-01
[41] 2022-03-22
[30] IT (102020000022303) 2020-09-22

[21] **3,129,793**
[13] A1
[51] **Int.Cl. H02P 29/024 (2016.01) B64D 27/24 (2006.01) B64D 31/00 (2006.01) H02P 27/06 (2006.01)**
[25] EN
[54] **PROTECTION SYSTEM FOR AIRCRAFT ELECTRIC PROPULSION MOTOR AND MOTOR CONTROLLER**
[54] **SYSTEME DE PROTECTION POUR UN MOTEUR DE PROPULSION ELECTRIQUE D'AERONEF ET CONTROLEUR DE MOTEUR**
[72] LACAUX, FREDERIC, US
[72] SOLODOVNIK, EUGENE V., US
[72] KHOZIKOV, VYACHESLAV, US
[71] THE BOEING COMPANY, US
[22] 2021-09-02
[41] 2022-03-20
[30] US (63/080723) 2020-09-20
[30] US (17/372349) 2021-07-09

[21] **3,129,811**
[13] A1
[51] **Int.Cl. F16F 9/34 (2006.01) B64C 25/60 (2006.01) F16F 9/512 (2006.01) F16F 9/516 (2006.01)**
[25] EN
[54] **REBOUND VALVE SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES POUR VANNE DE REBONDISSEMENT**
[72] MADEY, KYLE M., US
[71] GOODRICH CORPORATION, US
[22] 2021-09-02
[41] 2022-03-25
[30] US (17/033,081) 2020-09-25

[21] **3,130,006**
[13] A1
[51] **Int.Cl. B25F 5/02 (2006.01) B25B 21/00 (2006.01)**
[25] EN
[54] **TOOL AND MOTOR ANTI-ROTATION**
[54] **OUTIL ET ANTIROTATION DE MOTEUR**
[72] BEER, JOSHUA M., US
[72] GENZ, JASON, US
[72] BROUWERS, CRAIG, US
[72] RAJZER, MICHAEL T., US
[71] SNAP-ON INCORPORATED, US
[22] 2021-09-07
[41] 2022-03-22
[30] US (17/028,054) 2020-09-22

[21] **3,130,118**
[13] A1
[51] **Int.Cl. G01N 21/49 (2006.01) G01D 18/00 (2006.01)**
[25] EN
[54] **OPTICAL AIR DATA SYSTEM FUSION WITH REMOTE ATMOSPHERIC SENSING**
[54] **FUSION D'UN SYSTEME DE DONNEES D'AIR OPTIQUE AVEC UNE DETECTION ATMOSPHERIQUE ELOIGNEE**
[72] FAN, XIAO ZHU, US
[72] PETERSON, TIMOTHY A., US
[72] WIENKES, LEE R., US
[72] WIEBOLD, MATTHEW, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2021-09-08
[41] 2022-03-22
[30] US (17/028447) 2020-09-22

[21] **3,130,178**
[13] A1
[51] **Int.Cl. D01F 9/12 (2006.01)**
[25] EN
[54] **CARBON FIBER FABRICATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE FABRICATION DE FIBRE DE CARBONE**
[72] DESAI, DIVYARAJ, US
[72] RIVEST, JESSICA LOUIS BAKER, US
[71] PALO ALTO RESEARCH CENTER INCORPORATED, US
[71] IFTIME, GABRIEL, US
[71] BOYSEN, DANE ANDREW, US
[22] 2021-09-08
[41] 2022-03-25
[30] US (17/032582) 2020-09-25

[21] **3,130,388**
[13] A1
[51] **Int.Cl. B67D 7/08 (2010.01) B67D 7/34 (2010.01)**
[25] EN
[54] **SYSTEM FOR CONTROLLING THE DISPENSING OF FUEL OR THE LIKE IN A VENDING APPARATUS, PARTICULARLY FOR PRIVATE USE**
[54] **SYSTEME POUR CONTROLER LA DISTRIBUTION DE CARBURANT OU AUTRE DANS UN APPAREIL DE VENTE, SURTOUT POUR LES UTILISATIONS PRIVEES**
[72] VARINI, OTTO, IT
[71] PIUSI S.P.A., IT
[22] 2021-09-10
[41] 2022-03-24
[30] IT (102020000022516) 2020-09-24

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[13] A1
[25] EN
[54] **NETWORK CONNECTION REQUEST METHOD AND APPARATUS**
[54] **METHODE ET APPAREIL DE DEMANDE DE CONNEXION A UN RESEAU**
[72] GAUBAS, MARIUS, US
[72] NIEMENMAA, MATTI, US
[71] CUJO LLC, US
[22] 2021-09-13
[41] 2022-03-21
[30] US (17/026621) 2020-09-21

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[21] **3,130,687**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06Q 10/04 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PERFORMING OPERATIONS ON MULTI-DIMENSIONAL FUNCTIONS**
[54] **SYSTEME ET METHODE DE REALISATION D'OPERATIONS SUR DES FONCTIONS MULTIDIMENSIONNELLES**
[72] EVANS, TREFOR W., CA
[72] NAIR, PRASANTH B., CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[22] 2021-09-14
[41] 2022-03-24
[30] US (17/154,493) 2021-01-21
[30] US (63/082,824) 2020-09-24

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[21] **3,130,725**
[13] A1
[51] **Int.Cl. F16K 1/226 (2006.01)**
[25] EN
[54] **METAL SEALING SYSTEM FOR TRIPLE ECCENTRICITY BUTTERFLY VALVE**
[54] **SYSTEME DE JOINT METALLIQUE POUR UN ROBINET A PAPILLON A TRIPLE EXCENTRIQUE**
[72] GUIMET, LAURENT, FR
[72] LEFRANCOIS, MICHEL, FR
[72] BOYER, ETIENNE, FR
[72] TESSIER, MARIN, FR
[72] DARQUE, JEAN-JACQUES, FR
[72] THEVENON, BERTRAND, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[71] TECHNETICS GROUP FRANCE SAS, FR
[22] 2021-09-14
[41] 2022-03-24
[30] FR (2009719) 2020-09-24

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[13] A1
[51] **Int.Cl. B60K 15/067 (2006.01) B60F 5/00 (2006.01)**
[25] EN
[54] **VEHICLE**
[54] **VEHICULE**
[72] DONG, ZHEN, CN
[72] YAN, SHUTING, CN
[71] SEGWAY TECHNOLOGY CO., LTD., CN
[22] 2021-09-14
[41] 2022-03-21
[30] CN (202022087621.1) 2020-09-21

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[13] A1
[51] **Int.Cl. F16L 55/28 (2006.01)**
[25] EN
[54] **CENTRALIZERS FOR INSPECTION OF LINED PIPELINES**
[54] **CENTREURS POUR L'INSPECTION DE PIPELINES CHEMISES**
[72] RUSSELL, DAVID, CA
[72] LINGNAU, DANIEL, CA
[72] JIN, ELLEN, CA
[72] SHATAT, AD, CA
[71] RUSSELL NDE SYSTEMS INC., CA
[22] 2021-09-14
[41] 2022-03-24
[30] US (17/031,639) 2020-09-24

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[13] A1
[51] **Int.Cl. H05B 45/20 (2020.01) H05B 47/17 (2020.01) H05B 47/175 (2020.01)**
[25] EN
[54] **LIGHTING SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES D'ECLAIRAGE**
[72] EDWARDS, CHARLES, US
[71] NBCUNIVERSAL MEDIA, LLC, US
[22] 2021-09-15
[41] 2022-03-22
[30] US (63/081,674) 2020-09-22
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[13] A1
[51] **Int.Cl. A61C 8/00 (2006.01)**
[25] EN
[54] **ADAPTOR FOR DENTAL IMPLANT ABUTMENT**
[54] **ADAPTATEUR POUR PILIER IMPLANTAIRE DENTAIRE**
[72] JUSUF, ARMAND, US
[71] SIMPLE SMILES DENTAL SOLUTIONS INC,, CA
[22] 2021-09-15
[41] 2022-03-22
[30] US (63/081,466) 2020-09-22

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[13] A1
[51] **Int.Cl. A47G 29/00 (2006.01) A45F 3/16 (2006.01) A47G 19/22 (2006.01) A47J 45/07 (2006.01) B44D 3/12 (2006.01)**
[25] EN
[54] **HAND-HELD VESSEL**
[54] **RECIPIENT TENANT DANS LA MAIN**
[72] KISCH, STEVEN NICHOLAS, US
[71] BERCOM INTERNATIONAL, LLC, US
[22] 2021-09-15
[41] 2022-03-24
[30] US (63/082612) 2020-09-24

[21] **3,130,980**
[13] A1
[51] **Int.Cl. B60S 9/22 (2006.01) B60S 9/02 (2006.01) F16B 1/02 (2006.01)**
[25] EN
[54] **AUTOMATICALLY LATCHING JACK ASSEMBLY FOR A TRAILER**
[54] **ELEMENT DE VERIN A ATTELAGE AUTOMATIQUE POUR UNE REMORQUE**
[72] WALDNER, MICHAEL JUSTIN, CA
[71] OCFAB LTD., CA
[22] 2021-09-16
[41] 2022-03-24
[30] US (63/082,525) 2020-09-24

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[13] A1
[51] **Int.Cl. F01N 3/035 (2006.01) F01N 3/025 (2006.01) F01N 3/20 (2006.01)**
[25] EN
[54] **DIESEL EXHAUST TREATMENT APPARATUS AND METHODS**
[54] **APPAREIL ET METHODES DE TRAITEMENT DES GAZ D'ECHAPPEMENT DIESEL**
[72] MAGANTI, VENKATA RAMA NATARAJ, US
[72] COOK, RYAN, US
[72] VAN DER OUDERAA, ROGIER, GB
[72] KRISHNAKUMAR, RAJIV, DK
[72] BEBE, JIM ELKJAER, DK
[72] SERBAN, ALEXANDRU, DK
[72] DEINIS, JANIS, LV
[71] DINEX A/S, DK
[22] 2021-09-16
[41] 2022-03-25
[30] US (17/032,674) 2020-09-25

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[21] **3,131,015**
[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 33/03 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **MANIFOLD FOR SERVICING MULTIPLE WELLS AND METHOD**
[54] **MANIFOLD POUR L'ENTRETIEN COURANT DE MULTIPLES PUITS ET METHODE**
[72] CHEREWYK, BORIS (BRUCE) P., CA
[71] ISOLATION EQUIPMENT SERVICES INC., CA
[22] 2021-09-16
[41] 2022-03-25
[30] US (63/083715) 2020-09-25

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[13] A1
[51] **Int.Cl. A01K 97/05 (2006.01)**
[25] EN
[54] **CONTAINER FOR AQUATIC LIVE BAIT**
[54] **CONTENANT POUR APPATS AQUATIQUES VIVANTS**
[72] STOKES, CODY E., US
[72] DRYER, THOMAS J., US
[71] FLOP INDUSTRIES, LLC, US
[22] 2021-09-17
[41] 2022-03-21
[30] US (17/026,615) 2020-09-21

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[13] A1
[51] **Int.Cl. B42D 3/18 (2006.01) B42D 1/08 (2006.01) B42D 3/12 (2006.01)**
[25] EN
[54] **MEDIA ALBUM FOR DIGITAL MEDIA**
[54] **ALBUM DE CONTENU NUMERIQUE**
[72] DALEY, KATELYN, CA
[72] DALEY, PATRICK, CA
[71] INNOVATIVE ALBUMS, CA
[22] 2021-09-17
[41] 2022-03-22
[30] US (63/081,460) 2020-09-22

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[21] **3,131,239**
[13] A1
[25] FR
[54] **PROCESS FOR HANDOFF OF A MOBILE STATION BETWEEN TWO COMMUNICATION NETWORK WIRELESS ACCESS POINTS AND A DEVICE FOR MANAGING THE ASSOCIATED CONNECTIONS**
[54] **PROCEDE DE BASCULEMENT D'UNE STATION MOBILE ENTRE DEUX POINTS D'ACCES SANS FIL D'UN RESEAU DE COMMUNICATION ET DISPOSITIF GESTIONNAIRE DE CONNEXIONS ASSOCIE**
[72] DIONISI, FLORENT, FR
[71] SAGEMCOM BROADBAND SAS, FR
[22] 2021-09-17
[41] 2022-03-22
[30] FR (2009585) 2020-09-22

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[21] **3,131,252**
[13] A1
[25] EN
[54] **BIOMASS SELECTION AND CONTROL FOR CONTINUOUS FLOW GRANULAR/FLOCCULENT ACTIVATED SLUDGE PROCESSES**
[54] **SELECTION ET CONTROLE DE BIOMASSE POUR LES PROCEDES DE BOUE GRANULAIRE/FLOCULANT ACTIVEE A FLUX CONTINU**
[72] TRIVEDI, HIREN, US
[72] VORWALLER, JOHN, US
[72] BEAMNAN, TYSON, US
[72] BAKER, SOPHIA, US
[72] PINO-JELCIC, SERGIO, US
[72] STENSEL, DAVID, US
[71] OVIVO INC., CA
[22] 2021-09-20
[41] 2022-03-21
[30] US (17/027,528) 2020-09-21

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[21] **3,131,271**
[13] A1
[51] **Int.Cl. G16Z 99/00 (2019.01) G06N 20/00 (2019.01) G06Q 10/00 (2012.01)**
[25] EN
[54] **AUTOMATED IDENTIFICATION AND USE OF BUILDING FLOOR PLAN INFORMATION**
[54] **IDENTIFICATION AUTOMATISEE ET UTILISATION DES RENSEIGNEMENTS DE PLAN D'ETAGE D'UN BATIMENT**
[72] YIN, YU, US
[72] HUTCHCROFT, WILL ADRIAN, US
[72] BOYADZHIEV, IVAYLO, US
[72] KANG, SING BING, US
[72] LI, YUJIE, US
[72] MOULON, PIERRE, US
[71] ZILLOW, INC., US
[22] 2021-09-17
[41] 2022-03-22
[30] US (63/081,744) 2020-09-22

[21] **3,131,306**
[13] A1
[51] **Int.Cl. B60K 17/00 (2006.01) B60F 5/00 (2006.01) B60K 17/22 (2006.01) B60K 17/24 (2006.01)**
[25] EN
[54] **ALL-TERRAIN VEHICLE**
[54] **VEHICULE TOUT-TERRAIN**
[72] CHEN, MINGTANG, CN
[71] SEGWAY TECHNOLOGY CO., LTD., CN
[22] 2021-09-20
[41] 2022-03-22
[30] CN (202022092242.1) 2020-09-22

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[21] **3,131,315**
[13] A1
[51] **Int.Cl. A61F 5/01 (2006.01) A61F 5/30 (2006.01) A61F 5/34 (2006.01)**
[25] EN
[54] **HANDCUFF**
[54] **MENOTTES**
[72] HEITER, UWE, DE
[71] BAYER FEINWERK GMBH & CO.KG, DE
[22] 2021-09-20
[41] 2022-03-21
[30] DE (10 2020 124 538.6) 2020-09-21

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[21] **3,131,323**
[13] A1
[51] **Int.Cl. B65H 23/24 (2006.01) D21F 5/02 (2006.01) D21F 7/04 (2006.01)**
[25] EN
[54] **PAPER WEB AIR FOIL OF A PAPERMAKING MACHINE**
[54] **PALE PROFILEE POUR TOILE DE PAPIER POUR MACHINE DE FABRICATION DE PAPIER**
[72] KENNEDY, THEODORE D., US
[71] FIRST QUALITY TISSUE, LLC, US
[22] 2021-09-20
[41] 2022-03-22
[30] US (63/081,534) 2020-09-22

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[21] **3,131,329**
[13] A1
[51] **Int.Cl. B67D 7/42 (2010.01) B67D 7/08 (2010.01)**
[25] EN
[54] **SMART FUEL NOZZLE**
[54] **INJECTEUR INTELLIGENT**
[72] BENSON, GEORGE, S., US
[72] BARTON, MICHAEL, J., US
[72] MINOR, ANDREW C., US
[71] NEW YORK AIR BRAKE LLC, US
[22] 2021-09-20
[41] 2022-03-21
[30] US (17/027,061) 2020-09-21

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[21] **3,131,331**
[13] A1
[51] **Int.Cl. A47C 13/00 (2006.01) A47C 11/00 (2006.01) A47C 17/52 (2006.01) E04H 1/12 (2006.01) E04H 15/00 (2006.01)**
[25] EN
[54] **SHELTER**
[54] **ABRI**
[72] TESSIER, EMMANUELLE, CA
[71] TESSIER, EMMANUELLE, CA
[22] 2021-09-20
[41] 2022-03-21
[30] US (63/081,031) 2020-09-21

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[21] **3,131,359**
[13] A1
[51] **Int.Cl. G06F 9/50 (2006.01) G06F 30/20 (2020.01)**
[25] EN
[54] **DYNAMIC RESOURCE ALLOCATION FOR COMPUTATIONAL SIMULATION**
[54] **ATTRIBUTION DE RESSOURCES DYNAMIQUE POUR SIMULATION DE CALCUL**
[72] CAMPBELL, IAN, US
[72] DIESTELHORST, RYAN, US
[72] OSTER-MORRIS, JOSHUA, US
[72] FREED, DAVID M., US
[72] MCCLENNAN, SCOTT, US
[71] ONSCALE, INC., US
[22] 2021-09-20
[41] 2022-03-24
[30] US (17/030,991) 2020-09-24

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[21] **3,131,368**
[13] A1
[51] **Int.Cl. H02P 29/00 (2016.01) H02K 11/35 (2016.01) H02P 29/64 (2016.01)**
[25] EN
[54] **MOTOR DRIVER CONTROLLER ANALYSIS DEVICE**
[54] **DISPOSITIF D'ANALYSE DE CONTROLEUR D'ENTRAINEMENT DE MOTEUR**
[72] SANDOVAL, JOSE, US
[72] SUBRAMANIAM, PALANIVEL, US
[72] VESELKA, HARVEY, US
[71] LENNOX INDUSTRIES INC., US
[22] 2021-09-20
[41] 2022-03-22
[30] US (17/028,808) 2020-09-22

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[21] **3,131,399**
[13] A1
[51] **Int.Cl. A01B 69/00 (2006.01) B62D 15/00 (2006.01)**
[25] EN
[54] **AGRICULTURAL MACHINERY AUTOMATIC TURNING METHOD, AGRICULTURAL MACHINERY AUTOMATIC TURNING SYSTEM AND APPLICATION**
[54] **METHODE DE VIRAGE AUTOMATIQUE DE MACHINES AGRICOLES, SYSTEME DE VIRAGE AUTOMATIQUE DE MACHINES AGRICOLES ET APPLICATION**
[72] SHEN, WEI, CN
[72] MA, ZHU LIN, CN
[72] WANG, JIA BIN, CN
[72] YAO, YUAN, CN
[72] WU, DI, CN
[71] FJ DYNAMICS CO., LTD., CN
[22] 2021-09-21
[41] 2022-03-25
[30] CN (202011023261.7) 2020-09-25

[21] **3,131,414**
[13] A1
[51] **Int.Cl. F28F 9/22 (2006.01) F28D 21/00 (2006.01) F28F 3/00 (2006.01) F28F 27/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR THERMAL MANAGEMENT USING MATRIX COLDPLATES**
[54] **SYSTEMES ET METHODES DE GESTION THERMIQUE AU MOYEN DE PLAQUES FROIDES MATRICIELLES**
[72] FERNANDEZ, PEDRO ANGEL, US
[72] COSENTINO, EVAN, US
[71] ABB POWER ELECTRONICS INC., US
[22] 2021-09-21
[41] 2022-03-25
[30] US (17/031,963) 2020-09-25

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[21] **3,131,416**
[13] A1
[51] **Int.Cl. B25H 3/00 (2006.01)**
[25] EN
[54] **VERSATILE RATCHET SOCKET ORGANIZER**
[54] **ORGANISATEUR DE DOUILLES DE CLE A ROCHET VERSATILE**
[72] ERRIMI, SMAIL, CA
[71] ERRIMI, SMAIL, CA
[22] 2021-09-21
[41] 2022-03-23
[30] GB (2015047.0) 2020-09-23

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[21] **3,131,426**
[13] A1
[51] **Int.Cl. A61B 5/38 (2021.01) A61B 5/386 (2021.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR TRIGGERING A STIMULUS FOR EVOKED BRAIN RESPONSE ANALYSIS**
[54] **METHODES ET APPAREIL POUR DECLENCHER UN STIMULUS POUR L'ANALYSE D'UNE REPONSE CEREBRALE EVOQUEE**
[72] BOLLINGER, FABIO, CA
[72] D'ARCY, RYAN CLARKE NEWELL, CA
[72] DAVIES, BENJAMIN, CA
[72] FICKLING, SHAUN DEAN, CA
[72] FREHLICK, ZACHARY, CA
[72] GURM, SANDEEP, CA
[72] STEINER, OLIVER, CA
[71] HEALTH TECH CONNEX INC., CA
[22] 2021-09-21
[41] 2022-03-22
[30] US (63/081,814) 2020-09-22

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[21] **3,131,429**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR SUPPRESSING UPLINK INTERFERENCE SIGNALS GENERATED IN A MULTI-SPOT SPACE COMMUNICATION SYSTEM**
[54] **SYSTEME ET METHODE POUR SUPPRIMER DES SIGNAUX D'INTERFERENCE EN LIAISON MONTANTE GENERES DANS UN SYSTEME DE COMMUNICATION A PLUSIEURS ESPACES**
[72] KAROUI, WALID, FR
[71] THALES, FR
[22] 2021-09-21
[41] 2022-03-24
[30] FR (2009687) 2020-09-24

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[21] **3,131,435**
[13] A1
[51] **Int.Cl. A47B 46/00 (2006.01) A47B 88/453 (2017.01) A47B 53/00 (2006.01) A47B 71/00 (2006.01) A47B 96/16 (2006.01) A47G 29/14 (2006.01)**
[25] EN
[54] **TOUCHLESS MODULAR CONTAINMENT SYSTEM**
[54] **SYSTEME MODULAIRE DE CONFINEMENT SANS CONTACT**
[72] BUKSBAUM, MATT, US
[72] BENASILLO, PATRICK, US
[71] VISUAL GRAPHIC SYSTEMS INC., US
[22] 2021-09-21
[41] 2022-03-21
[30] US (63/081,153) 2020-09-21

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[21] **3,131,446**
[13] A1
[51] **Int.Cl. B23K 37/053 (2006.01) B23K 9/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MAUNUFACTURING PIPES**
[54] **SYSTEME ET METHODE DE FABRICATION DE TUYAUX**
[72] ZHOU, YAOKONG, CA
[71] TRANSCANADA PIPELINES LIMITED, CA
[22] 2021-09-21
[41] 2022-03-21
[30] US (63/081,039) 2020-09-21

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[21] **3,131,452**
[13] A1
[51] **Int.Cl. A63B 53/00 (2015.01) A63B 60/28 (2015.01)**
[25] EN
[54] **ADJUSTABLE GOLF CLUB**
[54] **BATON DE GOLF AJUSTABLE**
[72] HAMBURGER, EDWARD, US
[71] HAMBURGER, EDWARD, US
[22] 2021-09-21
[41] 2022-03-21
[30] US (17/027,273) 2020-09-21

[21] **3,131,458**
[13] A1
[51] **Int.Cl. G05D 13/62 (2006.01) F24F 11/88 (2018.01)**
[25] EN
[54] **SPEED-CONTROL SWITCH**
[54] **COMMUTATEUR DE COMMANDE DE VITESSE**
[72] SHAN, FUHUA, CN
[72] MA, ZHEN, CN
[72] ZHANG, DAHAI, CN
[71] SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD., AU
[22] 2021-09-21
[41] 2022-03-23
[30] CN (202022112415.1) 2020-09-23

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[21] **3,131,465**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR ROUTING A CALL WITH LOCAL TELECOMMUNICATION PLATFORMS**
[54] **SYSTEMES ET METHODES POUR ACHEMINER UN APPEL AVEC DES PLATEFORMES DE TELECOMMUNICATION LOCALES**
[72] TANG, TONY, US
[72] BEILIS, DAVID, US
[72] PATT, ADAM, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2021-09-21
[41] 2022-03-22
[30] US (17/028,783) 2020-09-22

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[21] **3,131,467**
[13] A1
[51] **Int.Cl. H01B 11/08 (2006.01) H01B 11/12 (2006.01)**
[25] EN
[54] **HYBRID HIGH FREQUENCY SEPARATOR WITH PARAMETRIC CONTROL RATIOS OF CONDUCTIVE COMPONENTS**
[54] **SEPARATEUR HAUTE FREQUENCE HYBRIDE AVEC RAPPORTS DE CONTROLE PARAMETRIQUES DES COMPOSANTES CONDUCTRICES**
[72] KUSUNA, ROY, US
[72] CLARK, BILL, US
[72] ALBRINK, ALICE, US
[71] BELDEN INC., US
[22] 2021-09-21
[41] 2022-03-22
[30] US (63/081,689) 2020-09-22

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[21] **3,131,480**
[13] A1
[51] **Int.Cl. B42D 25/30 (2014.01) B42D 25/342 (2014.01) B42D 25/41 (2014.01) B42D 25/45 (2014.01)**
[25] EN
[54] **LASER MARKED OPTICALLY VARIABLE DEVICE**
[54] **DISPOSITIF A VARIATION OPTIQUE MARQUE AU LASER**
[72] THURAILINGAM, THIVAHARAN, CA
[72] CRISAN, SILVIU, CA
[71] CANADIAN BANK NOTE COMPANY, LIMITED, CA
[22] 2021-09-22
[41] 2022-03-24
[30] CA (3,094,381) 2020-09-24

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[21] **3,131,484**
[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01) G01J 1/00 (2006.01) G01J 1/42 (2006.01)**
[25] EN
[54] **UV LIGHT MONITORING SYSTEM FOR A UV DECONTAMINATION APPARATUS**
[54] **SYSTEME DE SURVEILLANCE DU RAYONNEMENT ULTRAVIOLET POUR UN APPAREIL DE DECONTAMINATION PAR RAYONS ULTRAVIOLETS**
[72] KARITONAS, TAUTVYDAS, GB
[72] MORGAN, KURT, GB
[71] SPECIALIST HEALTH SOLUTIONS LIMITED, GB
[22] 2021-09-21
[41] 2022-03-22
[30] GB (2014942.3) 2020-09-22

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[21] **3,131,505**
[13] A1
[51] **Int.Cl. E21B 19/10 (2006.01) E21B 19/07 (2006.01)**
[25] EN
[54] **SLIP APPARATUS AND METHODS OF USING SAME**
[54] **APPAREIL DE COINS DE RETENUE ET METHODE D'UTILISATION CONNEXE**
[72] TAGGART, MARK CHARLES, CA
[72] SCEKIC, VLADIMIR, CA
[72] MCCORRISTON, TODD HARRY, CA
[71] DRILLFORM TECHNICAL SERVICES LTD., CA
[22] 2021-09-21
[41] 2022-03-21
[30] US (63/080,897) 2020-09-21

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[21] **3,131,520**
[13] A1
[51] **Int.Cl. F24F 3/14 (2006.01) F24F 11/70 (2018.01) F24F 13/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONDITIONING AIR**
[54] **SYSTEME ET METHODE DE CLIMATISATION**
[72] GREFSHEIM, SCOTT, US
[72] NORTON, JEFF, US
[72] FRIEDERICK, TOM, US
[71] RESEARCH PRODUCTS CORPORATION, US
[22] 2021-09-21
[41] 2022-03-22
[30] US (63/081,400) 2020-09-22

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[21] **3,131,524**
[13] A1
[51] **Int.Cl. G01S 17/88 (2006.01) A01G 7/00 (2006.01) G01S 7/481 (2006.01)**
[25] EN
[54] **METHOD FOR DETECTING PLANT GROWTH AMOUNT, PLANT SENSOR, AND FERTILIZING APPARATUS**
[54] **METHODE DE DETECTION DU RENDEMENT CROISSANCE DES PLANTES, DETECTEUR POUR PLANTES ET APPAREIL D'ENGRAIS**
[72] AKIYAMA, SHUGO, JP
[71] TOPCON CORPORATION, JP
[22] 2021-09-22
[41] 2022-03-25
[30] JP (2020-160877) 2020-09-25
[30] JP (2021-094249) 2021-06-04

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[21] **3,131,561**
[13] A1
[51] **Int.Cl. A01M 1/22 (2006.01) F21V 33/00 (2006.01) F21S 9/02 (2006.01) F21V 1/00 (2006.01)**
[25] EN
[54] **LIGHTING MOSQUITO KILLER LAMP**
[54] **LAMPE D'ECLAIRAGE ANTI-MOUSTIQUE**
[72] SABIC, ADIS, CN
[72] TAT, WONG KAR, CN
[72] WEI, AN WEI, CN
[71] TECHTRONIC CORDLESS GP, US
[22] 2021-09-22
[41] 2022-03-23
[30] CN (202022112309.3) 2020-09-23

[21] **3,131,565**
[13] A1
[51] **Int.Cl. E21B 33/129 (2006.01) E21B 23/06 (2006.01)**
[25] EN
[54] **SLIP ASSEMBLY FOR DOWNHOLE TOOL AND METHOD THEREFOR**
[54] **ASSEMBLAGE DE COIN DE RETENUE POUR UN OUTIL EN FOND DE TROU ET METHODE CONNEXE**
[72] BERRYMAN, RANDY, CA
[72] LINDSTRAND, TYLER, CA
[71] TRYTON TOOL SERVICES LIMITED PARTNERSHIP, CA
[22] 2021-09-22
[41] 2022-03-22
[30] US (62/706,989) 2020-09-22

[21] **3,131,568**
[13] A1
[51] **Int.Cl. B61F 5/50 (2006.01) B61F 5/00 (2006.01)**
[25] FR
[54] **TRUCK FOR A RAILWAY VEHICLE AND METHOD FOR INSTALLING THE ASSOCIATED AXLES**
[54] **BOGIE DE VEHICULE FERROVIAIRE, VEHICULE ET PROCEDE D'INSTALLATION D'ESSIIEU ASSOCIES**
[72] CICHY, LAURENT, FR
[72] COSTES, CYRIL FLORENT, FR
[71] ALSTOM TRANSPORT TECHNOLOGIES, FR
[22] 2021-09-22
[41] 2022-03-23
[30] FR (2009647) 2020-09-23

[21] **3,131,569**
[13] A1
[51] **Int.Cl. B23K 35/22 (2006.01) B23K 35/28 (2006.01)**
[25] EN
[54] **ALUMINUM-BASED WELDING ELECTRODES**
[54] **ELECTRODES DE SOUDURE A BASE D'ALUMINIUM**
[72] SENGUPTA, VIVEK, CA
[71] LINCOLN GLOBAL, INC., US
[22] 2021-09-20
[41] 2022-03-22
[30] US (63/081,623) 2020-09-22
[30] US (63/090,867) 2020-10-13
[30] US (17/446,778) 2021-09-02

[21] **3,131,582**
[13] A1
[51] **Int.Cl. F16K 27/00 (2006.01) F16K 51/00 (2006.01)**
[25] EN
[54] **A ROTARY VALVE**
[54] **ROBINET ROTATIF**
[72] CAFE, MAXIMILIAAN, NL
[72] VERBEET, BASTIAAN, NL
[72] VAN LIEMPT, GERHARDUS JOHANNES MARIA, NL
[72] PECKELSEN, MATHIJS FRANZ, NL
[71] DMN MACHINEFABRIEK NOORDWYKERHOUT B.V., NL
[22] 2021-09-22
[41] 2022-03-25
[30] NL (2026544) 2020-09-25

[21] **3,131,592**
[13] A1
[51] **Int.Cl. B62B 3/06 (2006.01) G06Q 10/08 (2012.01) B65D 19/22 (2006.01) B65G 59/00 (2006.01) B65G 61/00 (2006.01)**
[25] EN
[54] **PICK ASSIST SYSTEM**
[54] **SYSTEME D'AIDE A LA SELECTION**
[72] MARTIN, ROBERT LEE, JR, US
[72] JACKSON, PETER DOUGLAS, US
[72] STAVRO, STEVEN, US
[71] REHRIG PACIFIC COMPANY, US
[22] 2021-09-22
[41] 2022-03-22
[30] US (63/081,802) 2020-09-22
[30] US (63/142,267) 2021-01-27

[21] **3,131,608**
[13] A1
[51] **Int.Cl. B65D 6/18 (2006.01) B65D 21/02 (2006.01)**
[25] EN
[54] **COLLAPSIBLE CRATE**
[54] **CAISSE REPLIABLE**
[72] SEKOWSKI, DANIEL VINCENT, US
[72] HASSELL, JON P., US
[72] APPS, WILLIAM P., US
[71] REHRIG PACIFIC COMPANY, US
[22] 2021-09-20
[41] 2022-03-21
[30] US (63/081,053) 2020-09-21
[30] US (17/468,034) 2021-09-07

[21] **3,131,621**
[13] A1
[51] **Int.Cl. A01C 23/00 (2006.01) A01C 15/00 (2006.01) A01C 23/04 (2006.01) A01M 7/00 (2006.01) F16C 11/04 (2006.01) F16D 7/00 (2006.01)**
[25] EN
[54] **BREAKAWAY SYSTEM FOR AGRICULTURAL MACHINE BOOM**
[54] **SYSTEME DE RUPTURE POUR UNE FLECHE DE MACHINE AGRICOLE**
[72] LONG, GREG, US
[71] EXEL INDUSTRIES, FR
[22] 2021-09-22
[41] 2022-03-22
[30] US (17/028,964) 2020-09-22

[21] **3,131,633**
[13] A1
[51] **Int.Cl. A01B 76/00 (2006.01) A01C 15/00 (2006.01) A01C 23/00 (2006.01) A01M 7/00 (2006.01) E02F 9/14 (2006.01)**
[25] EN
[54] **MULTI-BREAKAWAY BOOM FOR AGRICULTURAL MACHINE**
[54] **FLECHE A MULTIPLES POINTS DE RUPTURE POUR MACHINE AGRICOLE**
[72] LONG, GREG, US
[71] EXEL INDUSTRIES, FR
[22] 2021-09-22
[41] 2022-03-22
[30] US (17/028,970) 2020-09-22

[21] **3,131,635**
[13] A1
[51] **Int.Cl. G09B 19/00 (2006.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SOCIAL ENGINEERING CYBER**
[54] **SYSTEME ET METHODE DE SENSIBILISATION AU PIRATAGE PSYCHOLOGIQUE**
[72] SAAD AHMED, SHERIF, CA
[72] RUEDA, LUIS GABRIEL, CA
[71] UNIVERSITY OF WINDSOR, CA
[22] 2021-09-16
[41] 2022-03-24
[30] US (63/082659) 2020-09-24

[21] **3,131,636**
[13] A1
[51] **Int.Cl. A01M 7/00 (2006.01) A01C 15/00 (2006.01) E02F 9/14 (2006.01)**
[25] EN
[54] **BOOM SECTION FOR AN AGRICULTURAL MACHINE**
[54] **SECTION DE FLECHE POUR UNE MACHINE AGRICOLE**
[72] LONG, GREG, US
[71] EXEL INDUSTRIES, FR
[22] 2021-09-22
[41] 2022-03-22
[30] US (17/028,954) 2020-09-22

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[21] **3,131,665**
[13] A1
[51] **Int.Cl. B04C 9/00 (2006.01) B01D 21/26 (2006.01) E21B 43/34 (2006.01) E21B 43/38 (2006.01)**
[25] EN
[54] **SAND SEPARATOR WITH CERAMIC INSERT**
[54] **SEPARATEUR DE SABLE AVEC PIECE RAPPORTEE EN CERAMIQUE**
[72] BOWLEY, RYAN THOMAS, CA
[71] ENERCORP ENGINEERED SOLUTIONS INC., CA
[22] 2021-09-23
[41] 2022-03-25
[30] US (17/479.442) 2021-09-20
[30] US (63/083.167) 2020-09-25

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[21] **3,131,686**
[13] A1
[51] **Int.Cl. E21B 23/08 (2006.01) E21B 23/10 (2006.01) E21B 33/10 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **REUSABLE MANDREL AND PUMP DOWN DEVICE FOR USE IN WELL SITE OPERATIONS**
[54] **MANDRIN REUTILISABLE ET DISPOSITIF POMPE A UTILISER DANS LES OPERATIONS EN SITE DE PUITS**
[72] PORTER, JESSE CALE, US
[72] SMITH, DONALD RAY, US
[72] OLSON, ZACHERY RYAN, US
[72] MILLER, AARON JACOB, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[22] 2021-09-22
[41] 2022-03-22
[30] US (63/081,727) 2020-09-22

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[21] **3,131,707**
[13] A1
[51] **Int.Cl. D21H 23/24 (2006.01) D21H 21/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR APPLICATION OF SURFACE CHEMISTRY TO BATH TISSUE, FACIAL TISSUE, AND PAPER TOWEL**
[54] **SYSTEMES ET METHODES POUR L'APPLICATION DE LA CHIMIE DE SURFACE A UNE LINGETTE DE BAIN, A UN PAPIER-MOUCHOIR ET A UN ESSUIE-TOUT**
[72] SEALEY, JAMES E., II, US
[72] MILLER, BYRD TYLER, IV, US
[72] PENCE, JUSTIN S., US
[72] BRENNAN, KEVIN P., US
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[72] TRIVEDI, HIREN K., US
[71] OVIVO INC., CA
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[54] **SYSTEMES ET METHODES DE SURVEILLANCE DES DONNEES ENERGETIQUES DANS UN SYSTEME ELECTRIQUE**
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[72] MENZEL, JOHANNES, FR
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[54] **METHODE ET DISPOSITIF D'OPTIMISATION SQL, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
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[54] **ASSEMBLAGE DE PANNEAU SOLAIRE ET SYSTEME D'ENERGIE SOLAIRE LE COMPRENANT**
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[71] SUN RISE E & T CORPORATION, TW
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[54] **SYSTEME ET METHODE D'APPRENTISSAGE DE STRUCTURE POUR RESEAUX NEURONAUX A GRAPHES**
[72] KAZEMI, SEYED MEHRAN, CA
[72] FATEMI, BAHARE, CA
[72] EL ASRI, LAYLA, CA
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[54] **SYSTEME DE COMMUNICATION POUR ATTENUER LES APPELANTS MYSTIFIES AU MOYEN DES RESEAUX SOCIAUX**
[72] PRODANOVIC, RADOVAN, CA
[72] NAIDOO, LOGENDRA, CA
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[72] WILLIAMS, ROY KENNETH, CA
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[54] **PISCINE MODULAIRE ET PROCEDE DE FABRICATION DE LADITE PISCINE**
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[54] **MARQUEURS RETROREFLECHISSANTS POUR UN SYSTEME DE SUIVI TRIDIMENSIONNEL**
[72] WHITE, SHAULAINE, CA
[72] COETZER, ELSABE, CA
[72] CHEN, LARRY, CA
[72] BALKOS, ATHANASIOS TOMMY, CA
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[72] JENKINS, J. LUKE, US
[72] HUGHETT, STEPHEN A., US
[72] WILLIAMS, BRIANNA E., US
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[72] FLAJOLE, DAVID MARTIN, US
[72] LARSON, LAWRENCE ARTHUR, US
[72] COTTER, DAVID RICHARD, US
[72] WEST, DARRYL PENNOCK, US
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[72] ROWLEY, MATTHEW SCOTT, US
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[72] XING, JI, CN
[72] SUN, ZHONGNING, CN
[72] DING, MING, CN
[72] WANG, HUI, CN
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[54] **METHODE, DISPOSITIF ET SYSTEME DE GENERATION DE CUBES DE DONNEES MULTIDIMENSIONNELS**
[72] ZHAI, XIAOQING, CN
[72] WANG, YONGJIN, CN
[72] TANG, GUOQIANG, CN
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[72] SUN, QIAN, CN
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[54] **TRANSACTION LOG PROCESSING METHOD, DEVICE AND SYSTEM**
[54] **METHODE, DISPOSITIF ET SYSTEME DE TRAITEMENT D'UN JOURNAL DES TRANSACTIONS**
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[72] SHEN, YUCHEN, CN
[72] WU, JIE, CN
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[72] YANG, JINZHU, CN
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[54] **METHODE DE VERIFICATION DES STOCKS, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
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[72] YANG, QINGFENG, CN
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[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT AUTOMATIQUE POUR L'ADMINISTRATION D'UN AGENT THERAPEUTIQUE GLP-1**
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[72] RAINVILLE, MATT, US
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[71] INSULET CORPORATION, US
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[72] HYITA, JONAS, US
[71] CLEAN WAKE, LLC, US
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[72] HELLIO, PATRICK, FR
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[54] **SYSTEME ET METHODE POUR CLASSER DES IMAGES DERMATOLOGIQUES AU MOYEN DE L'APPRENTISSAGE AUTOMATIQUE**
[72] CHAMPAGNE, TREVOR, CA
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[54] **POMME DE DOUCHE DE RETOUR AUTOMATIQUE ET METHODE D'UTILISATION**
[72] YU, ZHANGJUN, CN
[72] FANG, QIANZHEN, CN
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[54] **METHODE D'ANALYSE DES SIMILITUDES DE MOTIFS SEQUENTIELS NEGATIFS EN FONCTION DE SEQUENCES BIOLOGIQUES, ET SYSTEME ET MOYEN DE MISE EN OEUVRE**
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[54] **METHODE DE DETECTION DE BALLES DE GOLF DE TYPE PLANCHER, SYSTEME ET MOYEN DE STOCKAGE**
[72] WANG, JI JUN, CN
[72] WANG, QING HUA, CN
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[54] **METHODE DE DETECTION DE BALLES DE GOLF DE TYPE SURPLAN, SYSTEME ET MOYEN DE STOCKAGE**
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[54] **SYSTEMES DE MESURE ET DE GESTION DE FOULES EN TEMPS REEL ET PROCEDES ASSOCIES**
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[54] **ENSEMBLE CATALYTIQUE COMPRENANT UN MATERIAU FERROMAGNETIQUE MICROMETRIQUE ET UTILISATION DUDIT ENSEMBLE POUR DES REACTIONS DE CATALYSE HETEROGENE**
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[72] KALE, SUMEET, IN
[72] FAURE, STEPHANE, FR
[72] SOULANTIKA, AIKATERINI, FR
[72] CHAUDRET, BRUNO, FR
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[54] **VESICULES EXTRACELLULAIRES A OLIGONUCLEOTIDES ANTISENS CIBLANT KRAS**
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[72] KAMERKAR, SUSHRUT, US
[72] BOUTIN, ADAM T., US
[72] BROOM, WENDY, US
[72] SATHYANARAYANAN, SRIRAM, US
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[54] **PROCESS FOR MAKING PRECURSORS FOR CATHODE ACTIVE MATERIALS, PRECURSORS, AND CATHODE ACTIVE MATERIALS**
[54] **PROCEDE DE FABRICATION DE PRECURSEURS POUR MATERIAUX ACTIFS DE CATHODE, PRECURSEURS ET MATERIAUX ACTIFS DE CATHODE**
[72] BERGNER, BENJAMIN JOHANNES HERBERT, DE
[72] TEUFL, TOBIAS MAXIMILIAN, DE
[72] BERK, RAFAEL BENJAMIN, DE
[71] BASF SE, DE
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[86] 2020-10-15 (PCT/EP2020/079103)
[87] (WO2021/083686)
[30] EP (19205899.8) 2019-10-29
[30] EP (19210071.7) 2019-11-19

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[51] **Int.Cl. A61K 38/10 (2006.01) A61P 27/06 (2006.01)**
[25] EN
[54] **METHOD AND USE OF PNPP-19 FOR PREVENTING AND TREATING EYE DISEASES**
[54] **PROCEDE ET UTILISATION DE PNPP-19 POUR PREVENIR ET TRAITER DES MALADIES OCULAIRES**
[72] DA SILVA CUNHA JUNIOR, ARMANDO, BR
[72] DE LIMA PEREZ GARCIA, MARIA ELENA, BR
[72] NUNES DA SILVA, CAROLINA, BR
[72] FERNANDA NUNES DOURADO, LAYS, BR
[72] VILLANI BORGES DA SILVA, PERLA, BR
[72] GUSTAVO SAMPAIO LACATIVA, PAULO, BR
[72] MAX GROSS, GERHARD, DE
[72] FRANCISCO DE PAULA JUNIOR, IRON, BR
[71] BIOZEUS DESENVOLVIMENTO DE PRODUTOS BIOFARMACEUTICOS, BR
[71] UNIVERSIDADE FEDERAL DE MINAS GERAIS, BR
[85] 2022-02-10
[86] 2020-09-01 (PCT/BR2020/050349)
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[30] US (62/895,252) 2019-09-03
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[51] **Int.Cl. G01F 23/26 (2022.01) G01N 27/02 (2006.01) G01N 27/22 (2006.01)**
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[54] **RADIO FREQUENCY SIGNALING SYSTEM AND CURABLE COMPOSITION**
[54] **SYSTEME DE SIGNALISATION RADIOFREQUENCE ET COMPOSITION DURCISSABLE**
[72] KUTCHKO, CYNTHIA, US
[72] VELLINGA, ARJEN, NL
[72] WALTERS, DAVID N., US
[72] VOTRUBA-DRZAL, PETER L., US
[72] OLSON, KURT G., US
[72] TEIXEIRA, SARA, NL
[72] NEDERLOF, ARNOLD JOHAN, NL
[72] VISSER, SIJMEN JOHAN, NL
[72] LEE, CHUN YONG, KR
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2022-02-10
[86] 2020-08-28 (PCT/US2020/048422)
[87] (WO2021/041820)
[30] US (62/893,437) 2019-08-29

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[51] **Int.Cl. G06N 10/00 (2022.01)**
[25] EN
[54] **COMPUTER SYSTEM AND METHOD FOR IMPLEMENTING A CONDITIONAL REFLECTION OPERATOR ON A QUANTUM COMPUTER**
[54] **SYSTEME INFORMATIQUE ET PROCEDE DE MISE EN ?UVRE D'UN OPERATEUR DE REFLEXION CONDITIONNELLE SUR UN ORDINATEUR QUANTIQUE**
[72] DALLAIRE-DEMERS, PIERRE-LUC, US
[71] ZAPATA COMPUTING, INC., US
[85] 2022-02-10
[86] 2020-09-06 (PCT/US2020/049605)
[87] (WO2021/046495)
[30] US (62/896,927) 2019-09-06

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[51] **Int.Cl. C07K 14/47 (2006.01) A61K 35/17 (2015.01) A61K 38/17 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **T-CELL IMMUNOTHERAPY SPECIFIC FOR WT-1**
[54] **IMMUNOTHERAPIE PAR LYMPHOCYTES T, SPECIFIQUE DE WT-1**
[72] SCHMITT, THOMAS M., US
[72] CHAPUIS, AUDE G., US
[72] GREENBERG, PHILIP D., US
[71] FRED HUTCHINSON CANCER RESEARCH CENTER, US
[85] 2022-02-10
[86] 2020-08-19 (PCT/US2020/047071)
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[30] US (62/889,519) 2019-08-20

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[25] EN
[54] **EXENATIDE ANALOG AND USE THEREOF**
[54] **ANALOGUE D'EXENATIDE ET SON UTILISATION**
[72] RYU, JAE HA, KR
[72] JOO, SANG HYUN, KR
[72] PARK, YE GA, KR
[71] ANYGEN CO., LTD., KR
[85] 2022-02-11
[86] 2020-08-13 (PCT/KR2020/010751)
[87] (WO2021/029698)
[30] KR (10-2019-0098911) 2019-08-13
[30] KR (10-2020-0101087) 2020-08-12
[30] KR (10-2020-0101088) 2020-08-12

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[51] **Int.Cl. C12Q 1/22 (2006.01) A61L 2/28 (2006.01)**
[25] EN
[54] **BIOLOGICAL INDICATOR FOR DETERMINING THE EFFICACY OF A STEAM OR HEAT STERILIZATION PROCESS AND ITS METHOD OF USE**
[54] **INDICATEUR BIOLOGIQUE POUR DETERMINER L'EFFICACITE D'UN PROCEDE DE STERILISATION A LA VAPEUR OU A LA CHALEUR ET SON PROCEDE D'UTILISATION**
[72] LOMBARDIA, ESTEBAN, AR
[72] ROVETTO, ADRIAN J., AR
[72] RAVASI, PABLO, AR
[71] TERRAGENE LLC, US
[85] 2022-02-11
[86] 2020-08-13 (PCT/IB2020/057645)
[87] (WO2021/033091)
[30] US (16/543,279) 2019-08-16

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[51] **Int.Cl. E05B 63/00 (2006.01) E05C 9/08 (2006.01)**
[25] EN
[54] **LINEARLY DRIVEN ROTARY LOCKING MECHANISM**
[54] **MECANISME DE VERROUILLAGE ROTATIF A ENTRAINEMENT LINEAIRE**
[72] CHEUNG, KAM LIN MAY, CN
[71] CHEUNG, KAM LIN MAY, CN
[85] 2022-02-11
[86] 2020-07-27 (PCT/CN2020/104877)
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[54] **SYSTEMS AND METHODS FOR DYNAMIC LAYER 3 NETWORK CONNECTIONS**
[54] **SYSTEMES ET PROCEDES POUR CONNEXIONS DE RESEAU DE COUCHE 3 DYNAMIQUES**
[72] RITCHIE, AUSTIN D., US
[71] LEVEL 3 COMMUNCATIONS, LLC, US
[85] 2022-02-11
[86] 2020-08-17 (PCT/US2020/046681)
[87] (WO2021/034766)
[30] US (62/889,789) 2019-08-21

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[51] **Int.Cl. E01C 19/00 (2006.01) E01C 19/18 (2006.01) E01C 19/45 (2006.01)**
[25] EN
[54] **MATERIAL TRANSFER VEHICLE WITH GROUND OPERATOR STATION**
[54] **VEHICULE DE TRANSFERT DE MATERIAU POURVU D'UNE STATION D'OPERATEUR AU SOL**
[72] NEISEN, MATTHEW, US
[72] BECKMAN, NATHAN, US
[71] ROADTEC, INC., US
[85] 2022-02-11
[86] 2020-08-12 (PCT/US2020/045899)
[87] (WO2021/041033)
[30] US (62/890,829) 2019-08-23
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[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/6816 (2018.01) C12N 9/22 (2006.01)**
[25] EN
[54] **RNA-GUIDED NUCLEASES AND ACTIVE FRAGMENTS AND VARIANTS THEREOF AND METHODS OF USE**
[54] **NUCLEASES GUIDEES PAR ARN ET FRAGMENTS ACTIFS ET VARIANTS ASSOCIES ET METHODES D'UTILISATION**
[72] BOWEN, TYSON D., US
[72] CRAWLEY, ALEXANDRA BRINER, US
[72] ELICH, TEDD D., US
[72] COYLE, MICHAEL, US
[71] LIFEEDIT THERAPEUTICS, INC., US
[85] 2022-02-11
[86] 2020-08-11 (PCT/US2020/045759)
[87] (WO2021/030344)
[30] US (62/885,483) 2019-08-12
[30] US (62/901,875) 2019-09-18
[30] US (63/030,088) 2020-05-26

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[51] **Int.Cl. A61D 7/00 (2006.01) A61M 25/00 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **NEW WING PROTECTOR FOR WINGED CAPSULE AND METHOD OF USING SAME**
[54] **NOUVEAU PROTECTEUR D'AILETTES POUR CAPSULE A AILETTES ET SON PROCEDE D'UTILISATION**
[72] LI, JIANBIN, US
[72] COOPER, BENJAMIN JEFFREY, US
[71] ELANCO TIERGESUNDHEIT AG, CH
[71] ELANCO US INC., US
[85] 2022-02-11
[86] 2020-08-14 (PCT/US2020/046394)
[87] (WO2021/030696)
[30] US (62/886,594) 2019-08-14

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[13] A1
[51] **Int.Cl. G01N 35/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LABORATORY DECK SETUP VERIFICATION**
[54] **SYSTEMES ET PROCEDES DE VERIFICATION D'INSTALLATION DE CARTE DE LABORATOIRE**
[72] DAVIS, MATTHEW S., US
[72] LIU-LEITKE, YILIN, US
[72] MOSCHELL, RACHEL ELLEN, US
[72] NEI, PETER ROBERT, US
[72] SNIDER, JOHN S., US
[72] ZIGON, ROBERT J., US
[71] BECKMAN COULTER, INC., US
[85] 2022-02-11
[86] 2020-08-21 (PCT/US2020/047409)
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[30] US (62/890,790) 2019-08-23

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[51] **Int.Cl. G09B 15/00 (2006.01) G09B 15/02 (2006.01) G10G 1/00 (2006.01) G10G 1/02 (2006.01)**
[25] EN
[54] **MUSIC NOTATION USING A DISPROPORTIONATE CORRELATED SCALE**
[54] **NOTATION MUSICALE UTILISANT UNE ECHELLE CORRELEE DISPROPORTIONNEE**
[72] SPRATLING, BENJAMIN B. IV, US
[71] SPRATLING, BENJAMIN B. IV, US
[85] 2022-02-11
[86] 2020-08-10 (PCT/US2020/045609)
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[30] US (16/542,987) 2019-08-16

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[51] **Int.Cl. C07F 9/6574 (2006.01) A61P 1/16 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) C07F 9/40 (2006.01)**
[25] EN
[54] **HETEROCYCLIC THR-.BETA. RECEPTOR AGONIST COMPOUND AND PREPARATION METHODAND USE THEREFOR**
[54] **COMPOSE AGONISTE DU RECEPTEUR THR-.BETA. HETEROCYCLIQUE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] YU, SHANGHAI, CN
[72] LI, BEN, CN
[71] HEPAGENE THERAPEUTICS (HK) LIMITED, HK
[85] 2022-02-11
[86] 2020-10-19 (PCT/CN2020/121801)
[87] (WO2021/032218)
[30] CN (202010112084.3) 2020-02-24

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[51] **Int.Cl. A61K 38/16 (2006.01) B82Y 5/00 (2011.01) A61K 47/60 (2017.01) A61P 35/00 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **PALM FOR THE TREATMENT OF CHEMOTHERAPY-INDUCED PERIPHERAL NEUROPATHY INCIDENTAL TO THE TREATMENT OF CANCER**
[54] **PALM POUR LE TRAITEMENT D'UNE NEUROPATHIE PERIPHERIQUE INDUITE PAR LA CHIMIOTHERAPIE INCIDENTE AU TRAITEMENT DU CANCER**
[72] HOMAN, REYNOLD, US
[71] PEPTINOVO BIOPHARMA INC., US
[85] 2022-02-11
[86] 2020-08-11 (PCT/US2020/045785)
[87] (WO2021/030359)
[30] US (62/886,282) 2019-08-13

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[51] **Int.Cl. C07K 16/30 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **MULTISPECIFIC ANTIGEN-BINDING MOLECULES FOR CELL TARGETING AND USES THEREOF**
[54] **MOLECULES MULTISPECIFIQUES DE LIAISON A DES ANTIGENES POUR CIBLAGE CELLULAIRE ET LEURS UTILISATIONS**
[72] HABER, LAURIC, US
[72] FINNEY, JENNIFER A., US
[72] MCKAY, RYAN, US
[72] SMITH, ERIC, US
[72] LIN, CHIA-YANG, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-02-11
[86] 2020-08-14 (PCT/US2020/046352)
[87] (WO2021/030680)
[30] US (62/887,411) 2019-08-15
[30] US (62/924,435) 2019-10-22
[30] US (62/978,584) 2020-02-19
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[51] **Int.Cl. C09K 8/582 (2006.01) C12P 5/02 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PRODUCING ORGANIC COMPOUNDS IN A SUBTERRANEAN ENVIRONMENT**
[54] **PROCEDES ET SYSTEMES DE PRODUCTION DE COMPOSES ORGANIQUES DANS UN ENVIRONNEMENT SOUTERRAIN**
[72] KARIMI, TAHEREH, US
[72] KARIMI, MOJTABA, US
[71] CEMVITA FACTORY, INC., US
[85] 2022-02-11
[86] 2020-08-20 (PCT/US2020/047250)
[87] (WO2021/035076)
[30] US (62/889,977) 2019-08-21

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[51] **Int.Cl. C08G 59/50 (2006.01) C08L 63/00 (2006.01) C09D 163/00 (2006.01) C09J 163/00 (2006.01)**
[25] EN
[54] **COATING COMPOSITIONS**
[54] **COMPOSITIONS DE REVETEMENT**
[72] FORTMAN, DAVID J., US
[72] POLLUM, MARVIN M. JR., US
[72] KRILEY, JOSEPH P., US
[72] REARICK, BRIAN K., US
[72] FRENCH, MARIA S., US
[72] NAKAJIMA, MASAYUKI, US
[71] PRC-DE SOTO INTERNATIONAL, INC., US
[85] 2022-02-11
[86] 2020-06-23 (PCT/US2020/039055)
[87] (WO2021/040864)
[30] US (62/890,816) 2019-08-23

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[13] A1
[51] **Int.Cl. A01H 5/00 (2018.01) C12N 15/32 (2006.01) C12N 15/74 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **PROMOTERS FOR REGULATION OF GENE EXPRESSION IN PLANTS**
[54] **PROMOTEUR POUR LA REGULATION DE L'EXPRESSION GENIQUE DANS DES PLANTES**
[72] AZHAKANADAM, KASIMALAI, US
[72] ZHOU, AILING, US
[72] CONVILLE, JARED, US
[72] CLARKE V, JOSEPH DALLAS, US
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-02-11
[86] 2020-08-26 (PCT/US2020/047899)
[87] (WO2021/045942)
[30] US (62/896,735) 2019-09-06

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[13] A1
[51] **Int.Cl. C12Q 1/6806 (2018.01)**
[25] EN
[54] **ENZYMATIC RNA CAPPING METHOD**
[54] **PROCEDE DE COIFFAGE D'ARN ENZYMATIQUE**
[72] ROBB, G. BRETT, US
[72] CHAN, SIU-HONG, US
[72] ROY, BIJOYITA, US
[71] NEW ENGLAND BIOLABS, INC., US
[85] 2022-02-11
[86] 2020-08-21 (PCT/US2020/047533)
[87] (WO2021/041267)
[30] US (62/890,821) 2019-08-23
[30] US (PCT/US2020/047521) 2020-08-21

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[51] **Int.Cl. A47L 5/24 (2006.01)**
[25] EN
[54] **HANDHELD SURFACE CLEANING APPARATUS**
[54] **APPAREIL DE NETTOYAGE A MAIN**
[72] CONRAD, WAYNE ERNEST, CA
[72] INNES, DANIEL, US
[72] BROWN, ANDRE D., US
[72] THORNE, JASON, US
[71] OMACHRON INTELLECTUAL PROPERTY INC., CA
[85] 2022-02-11
[86] 2020-08-05 (PCT/CA2020/051068)
[87] (WO2021/026637)
[30] US (16/541,749) 2019-08-15
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[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTEST FUNDS MANAGEMENT**
[54] **SYSTEMES ET PROCEDES DE GESTION DE FONDS DE COMPETITION**
[72] SANFORD, KARIM MICHEAL, US
[72] SANFORD, KIRK E., US
[71] GAMEPLUS INC., US
[85] 2022-02-11
[86] 2020-09-09 (PCT/US2020/049809)
[87] (WO2021/050456)
[30] US (62/898,070) 2019-09-10
[30] US (62/988,987) 2020-03-13
[30] US (63/024,561) 2020-05-14

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[51] **Int.Cl. C07F 9/6558 (2006.01) A61K 31/4439 (2006.01) C07D 401/06 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **PRODRUGS OF THE TYROSINE KINASE INHIBITOR FOR TREATING CANCER**
[54] **PROMEDICAMENTS DE L'INHIBITEUR DE TYROSINE KINASE POUR LE TRAITEMENT DU CANCER**
[72] LU, JIASHENG, CN
[72] GU, JIAMIN, CN
[72] CHEN, GANG, CN
[72] ZHANG, QIGUO, CN
[72] SUN, CHENGYONG, CN
[72] KONG, XIANQI, CA
[71] RISEN (SUZHOU) PHARMA TECH CO., LTD., CN
[85] 2022-02-11
[86] 2020-08-28 (PCT/CA2020/051177)
[87] (WO2021/035360)
[30] CN (201910817505.X) 2019-08-30
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[30] CN (201910818779.0) 2019-08-30
[30] US (62/994,364) 2020-03-25

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[13] A1
[51] **Int.Cl. C08G 59/50 (2006.01) C08L 63/00 (2006.01) C09D 163/00 (2006.01) C09J 163/00 (2006.01) C23C 22/34 (2006.01) C23C 22/83 (2006.01) C23G 1/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVED LAP SHEAR STRENGTH AND DISPLACEMENT OF TWO-COMPONENT STRUCTURAL ADHESIVES**
[54] **SYSTEMES ET PROCEDES POUR AMELIORER LA RESISTANCE AU CISAILLEMENT DE RECOUVREMENT ET LE DEPLACEMENT D'ADHESIFS STRUCTURAUX A DEUX COMPOSANTS**
[72] FORTMAN, DAVID J., US
[72] POLLUM, JR. MARVIN M., US
[72] KRILEY, JOSEPH P., US
[72] REARICK, BRIAN K., US
[72] FRENCH, MARIA S., US
[72] BROWN-TSENG, ELIZABETH S., US
[72] BOWLES, STEVEN E., US
[72] NAKAJIMA, MASAYUKI, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2022-02-11
[86] 2020-06-23 (PCT/US2020/039060)
[87] (WO2021/040865)
[30] US (62/890,854) 2019-08-23

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[13] A1
[51] **Int.Cl. A61K 39/295 (2006.01) A61K 39/00 (2006.01) A61K 39/12 (2006.01) A61K 39/125 (2006.01) A61K 39/29 (2006.01)**
[25] EN
[54] **METHODS FOR PREVENTING DENGUE AND HEPATITIS A**
[54] **METHODE DE PREVENTION DE LA DENGUE ET DE L'HEPATITE A**
[72] WALLACE, DEREK, US
[71] TAKEDA VACCINES, INC., US
[85] 2022-02-11
[86] 2020-03-04 (PCT/US2020/020991)
[87] (WO2021/034349)
[30] ID (PID2019-07241) 2019-08-16
[30] EP (19195692.9) 2019-09-05
[30] US (16/561,953) 2019-09-05
[30] US (PCT/US2019/049749) 2019-09-05

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **ANTI-IL31 ANTIBODIES FOR VETERINARY USE**
[54] **ANTICORPS ANTI-IL31 A USAGE VETERINAIRE**
[72] LI, SHYR JIANN, US
[72] NGUYEN, LAM, US
[72] ZHAN, HANGJUN, US
[71] KINDRED BIOSCIENCES, INC., US
[85] 2022-02-11
[86] 2020-08-28 (PCT/US2020/048618)
[87] (WO2021/041972)
[30] US (62/893,799) 2019-08-29
[30] US (62/894,526) 2019-08-30

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[13] A1
[51] **Int.Cl. H04W 40/22 (2009.01) H04W 28/02 (2009.01) H04W 76/11 (2018.01) H04W 88/08 (2009.01) H04W 92/12 (2009.01)**
[25] EN
[54] **MAPPING BETWEEN INGRESS AND EGRESS BACKHAUL RLC CHANNELS IN INTEGRATED ACCESS BACKHAUL (IAB) NETWORKS**
[54] **MISE EN CORRESPONDANCE ENTRE DES CANAUX RLC DE LIAISON TERRESTRE D'ENTREE ET DE SORTIE DANS DES RESEAUX DE LIAISON TERRESTRE A ACCES INTEGRE (IAB)**
[72] TEYEB, OUMER, CA
[72] MILDH, GUNNAR, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2022-02-11
[86] 2020-07-14 (PCT/SE2020/050733)
[87] (WO2021/029804)
[30] US (62/887,429) 2019-08-15

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[13] A1
[51] **Int.Cl. A01N 29/08 (2006.01)**
[25] EN
[54] **RECIRCULATING WATER SYSTEM COMPOSITION**
[54] **COMPOSITION POUR SYSTEME D'EAU DE RECIRCULATION**
[72] SAYRE, CURTIS, US
[72] GAULDING, JEFFREY, US
[72] TRENCK, BRIAN, US
[72] YEOMAN, AL, US
[71] BIO-LAB, INC., US
[85] 2022-02-11
[86] 2020-08-18 (PCT/US2020/046825)
[87] (WO2021/041090)
[30] US (62/890,650) 2019-08-23

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[13] A1
[51] **Int.Cl. C07J 1/00 (2006.01) A61K 31/565 (2006.01) A61P 15/00 (2006.01) A61P 17/00 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01) A61P 5/30 (2006.01) A61P 15/02 (2006.01) A61P 15/18 (2006.01) A61P 17/02 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **INDUSTRIAL PROCESS FOR THE PREPARATION OF HIGH PURITY ESTETROL**
[54] **PROCEDE INDUSTRIEL POUR LA PREPARATION D'ESTETROL DE PURETE ELEVEE**
[72] LOVAS, ROBERT, HU
[72] MAHO, SANDOR, HU
[72] BACSA, ILDIKO, HU
[72] MAYER, BEATRIX, HU
[71] RICHTER GEDEON NYRT., HU
[85] 2022-02-11
[86] 2020-09-02 (PCT/IB2020/058148)
[87] (WO2021/044302)
[30] HU (P1900315) 2019-09-03

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[13] A1
[51] **Int.Cl. B61L 3/00 (2006.01) B61L 27/00 (2022.01)**
[25] EN
[54] **METHOD FOR CONTROLLING A TRAIN WITHIN A TRAIN CONTROL SYSTEM, AND TRAIN CONTROL SYSTEM**
[54] **PROCEDE DE COMMANDE D'UN TRAIN MIS EN ?UVRE A L'INTERIEUR D'UN SYSTEME DE COMMANDE DE TRAIN, ET SYSTEME DE COMMANDE DE TRAIN**
[72] WIPPLINGER, GERHARD, AT
[72] DE LA SIERRA APARICIO, MARIA DE LOS ANGELES, ES
[71] THALES MANAGEMENT & SERVICES DEUTSCHLAND GMBH, DE
[85] 2022-02-11
[86] 2020-08-14 (PCT/EP2020/072897)
[87] (WO2021/032638)
[30] EP (19193069.2) 2019-08-22

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[13] A1
[51] **Int.Cl. C09D 11/52 (2014.01) C08K 3/10 (2018.01)**
[25] EN
[54] **INK COMPOSITION, KIT, METHOD OF MANUFACTURING A DEFORMABLE CONDUCTOR UTILIZING THE INK COMPOSITION, DEFORMABLE CONDUCTOR, ELECTRONIC DEVICE COMPRISING THE DEFORMABLE CONDUCTOR, METHOD OF MANUFACTURING A CONDUCTOR, CONDUCTOR AND ELECTRONIC DEVICE COMPRISING THE CONDUCTOR**
[54] **COMPOSITION D'ENCRE, KIT, PROCEDE DE FABRICATION D'UN CONDUCTEUR DEFORMABLE UTILISANT LA COMPOSITION D'ENCRE, CONDUCTEUR DEFORMABLE, DISPOSITIF ELECTRONIQUE COMPRENANT LE CONDUCTEUR DEFORMABLE, PROCEDE DE FABRICATION D'UN CONDUCTEUR, CONDUCTEUR ET DISPOSITIF ELECTRONIQUE COMPRENANT LE CONDUCTEUR**
[72] GRIESSER, THOMAS, AT
[72] KRAWCZYK, KRZYSZTOF KONRAD, AT
[71] MONTANUNIVERSITAT LEOBEN, AT
[85] 2022-02-11
[86] 2020-08-10 (PCT/EP2020/072404)
[87] (WO2021/028394)
[30] GB (1911512.0) 2019-08-12

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[13] A1
[51] **Int.Cl. C08J 3/05 (2006.01) C08J 3/09 (2006.01)**
[25] EN
[54] **COMPOSITE MATERIALS MADE FROM PICKERING EMULSIONS**
[54] **MATERIAUX COMPOSITES FABRIQUES A PARTIR D'EMULSIONS DE PICKERING**
[72] DALTON, ALAN, GB
[72] O'MARA, MARCUS, GB
[72] LARGE, MATTHEW, GB
[72] OGILVIE, SEAN, GB
[71] THE UNIVERSITY OF SUSSEX, GB
[71] ALLIANCE RUBBER COMPANY, US
[85] 2022-02-11
[86] 2020-08-14 (PCT/GB2020/051958)
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[30] GB (1911629.2) 2019-08-14

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01)**
[25] EN
[54] **ANTIBODIES THAT BIND TO LRP5 PROTEINS AND METHODS OF USE**
[54] **ANTICORPS SE LIANT A DES PROTEINES LRP5 ET LEURS PROCEDES D'UTILISATION**
[72] SIDHU, SACHDEV S., CA
[72] PAN, GUOHUA, CA
[72] PATEL, NISH, CA
[72] MOFFAT, JASON, CA
[72] ANGERS, STEPHANE, CA
[72] ADAMS, JARRETT, CA
[72] JUNUTULA, JAGATH R., US
[71] MODMAB THERAPEUTICS INC., CA
[85] 2022-02-11
[86] 2020-08-14 (PCT/CA2020/051119)
[87] (WO2021/026665)
[30] US (62/886,913) 2019-08-14

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[51] **Int.Cl. A61K 31/00 (2006.01) A61K 38/18 (2006.01) A61P 27/02 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **AGENT FOR USE IN TREATMENT OR PREVENTION OF OPHTHALMIC DISORDERS**
[54] **AGENT DESTINE A ETRE UTILISE DANS LE TRAITEMENT OU LA PREVENTION DE TROUBLES OPHTALMIQUES**
[72] IMBIMBO, BRUNO PIETRO, IT
[72] VILLETTI, GINO, IT
[71] CHIESI FARMACEUTICI S.P.A., IT
[85] 2022-02-11
[86] 2020-09-15 (PCT/EP2020/075697)
[87] (WO2021/052926)
[30] EP (19197687.7) 2019-09-17

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[13] A1
[51] **Int.Cl. C08F 220/18 (2006.01) C07F 7/08 (2006.01) C08F 2/00 (2006.01)**
[25] EN
[54] **AQUEOUS DISPERSION OF ACRYLATE-SILOXANE COPOLYMER PARTICLES**
[54] **DISPERSION AQUEUSE DE PARTICULES DE COPOLYMERE D'ACRYLATE-SILOXANE**
[72] BUSS, HILDA G., US
[72] CARTER, MATTHEW, US
[72] EVEN, RALPH C., US
[72] JELETIC, MATTHEW, US
[72] LIU, NANGUO, US
[72] MCCULLOCH, BRYAN L., US
[72] MECCA, JODI M., US
[72] SATHIOSATHAM, MUHUNTHAN, US
[72] WOODWORTH, RICHARD P., US
[72] ZENG, FANWEN, US
[71] ROHM AND HAAS COMPANY, US
[71] DOW SILICONES CORPORATION, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-02-11
[86] 2020-08-05 (PCT/US2020/044985)
[87] (WO2021/040975)
[30] US (62/894,008) 2019-08-30

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01)**
[25] EN
[54] **ANTIBODIES THAT BIND TO LRP6 PROTEINS AND METHODS OF USE**
[54] **ANTICORPS SE LIANT A DES PROTEINES LRP6 ET LEURS PROCEDES D'UTILISATION**
[72] SIDHU, SACHDEV S., CA
[72] PAN, GUOHUA, CA
[72] PATEL, NISH, CA
[72] MOFFAT, JASON, CA
[72] ANGERS, STEPHANE, CA
[72] ADAMS, JARRETT, CA
[72] JUNUTULA, JAGATH R., US
[71] MODMAB THERAPEUTICS INC., CA
[85] 2022-02-11
[86] 2020-08-14 (PCT/CA2020/051120)
[87] (WO2021/026666)
[30] US (62/886,918) 2019-08-14

[21] **3,147,834**
[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61P 35/00 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **CHIMERIC ANTIGEN RECEPTOR AND IMMUNE EFFECTOR CELL EXPRESSING CHIMERIC ANTIGEN RECEPTOR**
[54] **RECEPTEUR D'ANTIGENE CHIMERIQUE ET CELLULE EFFECTRICE IMMUNITAIRE EXPRIMANT UN RECEPTEUR D'ANTIGENE CHIMERIQUE**
[72] SUN, CHUANG, CN
[72] FENG, XIN-HUA, CN
[72] ZHAO, BIN, CN
[71] BOYUAN RUNSHENG PHARMA (HANGZHOU) CO., LTD., CN
[85] 2022-02-11
[86] 2020-08-06 (PCT/CN2020/107484)
[87] (WO2021/027687)
[30] CN (201910750137.1) 2019-08-14

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[13] A1
[51] **Int.Cl. A61P 35/00 (2006.01) C07K 16/28 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **CHIMERIC ANTIGEN RECEPTORS FOR TREATING MYELOID MALIGNANCIES**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES POUR LE TRAITEMENT DE MALIGNITES MYELOIDES**
[72] DAVILA, MARCO, US
[72] BETTS, BRIAN, US
[71] H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE INC., US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[85] 2022-02-11
[86] 2020-08-14 (PCT/US2020/046424)
[87] (WO2021/034684)
[30] US (62/888,072) 2019-08-16

[21] **3,147,836**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **2-AMINOPYRIMIDINE COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS AND USES THEREOF**
[54] **COMPOSES DE 2-AMINOPYRIMIDINE, COMPOSITIONS PHARMACEUTIQUES ET UTILISATIONS ASSOCIEES**
[72] LIANG, BO, CN
[72] JIN, QIU, CN
[72] CHEN, HUANMING, CN
[72] ZHANG, ZHIJUN, CN
[72] XIA, TIAN, CN
[72] HUA, BO, CN
[72] LIU, GANG, CN
[71] SHANGHAI ZHIMENG BIOPHARMA, INC., CN
[85] 2022-02-11
[86] 2020-08-12 (PCT/CN2020/108722)
[87] (WO2021/031960)
[30] CN (201910764971.6) 2019-08-19

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C07K 16/28 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **ANTI-CD83 CHIMERIC ANTIGEN RECEPTOR EXPRESSING T REGULATORY CELLS**
[54] **RECEPTEUR ANTIGENIQUE CHIMERIQUE ANTI-CD83 EXPRIMANT DES LYMPHOCYTES T REGULATEURS**
[72] DAVILA, MARCO, US
[72] BETTS, BRIAN, US
[71] H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE INC., US
[85] 2022-02-11
[86] 2020-08-14 (PCT/US2020/046439)
[87] (WO2021/034689)
[30] US (62/888,055) 2019-08-16

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[13] A1
[51] **Int.Cl. C07F 5/02 (2006.01) C07D 241/02 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING L-ERYTHROBIOPTERIN COMPOUND**
[54] **PROCEDE DE PREPARATION D'UN COMPOSE L-ERYTHROBIOPTERINE**
[72] RONG, BIN, CN
[72] ZHAO, LIZHI, CN
[72] LI, WEI, CN
[72] REN, YI, CN
[71] SHANGHAI FOREFRONT PHARMA CO., LTD., CN
[85] 2022-02-11
[86] 2020-08-18 (PCT/CN2020/109818)
[87] (WO2021/032088)
[30] CN (201910764541.4) 2019-08-19
[30] CN (202010806347.0) 2020-08-12

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[13] A1
[51] **Int.Cl. H02M 1/14 (2006.01) H02M 1/00 (2007.10) H02M 1/08 (2006.01) H02M 1/15 (2006.01)**
[25] EN
[54] **POWER ELECTRONIC CONVERTER**
[54] **CONVERTISSEUR ELECTRONIQUE DE PUISSANCE**
[72] BAECK, WOLFGANG, AT
[72] NEUDORFHOFER, MICHAEL, AT
[72] SCHLAGER, GERD, AT
[72] IYER, LAKSHMI VARAHA, US
[72] KORTA, PHILIP, US
[71] MAGNA INTERNATINAL INC., CA
[85] 2022-02-11
[86] 2020-08-14 (PCT/US2020/046327)
[87] (WO2021/034643)
[30] US (62/887,836) 2019-08-16

[21] **3,147,840**
[13] A1
[51] **Int.Cl. G01S 7/48 (2006.01) G06Q 50/30 (2012.01) G01S 17/88 (2006.01) G08G 1/01 (2006.01) G08G 1/04 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR AUTOMATICALLY DETECTING VIOLATION OF A DRIVING-RELATED LAW**
[54] **PROCEDES ET SYSTEMES DE DETECTION AUTOMATIQUE DE VIOLATION D'UNE LOI LIEE A LA CONDUITE**
[72] GRAVER, JOSHUA GRADY, US
[71] GRAVER, JOSHUA GRADY, US
[85] 2022-02-11
[86] 2020-09-15 (PCT/US2020/050832)
[87] (WO2021/055330)
[30] US (62/900,717) 2019-09-16

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[13] A1
[51] **Int.Cl. A61K 35/741 (2015.01) A61K 35/745 (2015.01) A61P 1/00 (2006.01) A61P 1/12 (2006.01)**
[25] EN
[54] **BACTERIAL COMPOSITIONS FOR THE TREATMENT OF DISEASE**
[54] **COMPOSITIONS BACTERIENNES DESTINEES AU TRAITEMENT D'UNE MALADIE**
[72] LAWLEY, TREVOR, GB
[72] NEVILLE, ANNE, GB
[72] FORSTER, SAMUEL, GB
[72] HOLYER, IAN, GB
[72] KLISKO, DOMINIKA, GB
[72] MCCLUSKEY, SEANIN, GB
[72] KAPATAI, GEORGIA, GB
[72] WORRELL, NAN, GB
[72] WILKINSON, ADAM, GB
[71] MICROBIOTICA LIMITED, GB
[71] GENOME RESEARCH LIMITED, GB
[85] 2022-02-11
[86] 2020-08-14 (PCT/GB2020/051953)
[87] (WO2021/028700)
[30] GB (1911728.2) 2019-08-15

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[13] A1
[51] **Int.Cl. A01G 23/00 (2006.01) B62D 15/02 (2006.01) G05D 1/02 (2020.01) G06K 9/00 (2022.01) G08G 1/16 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM IN A FOREST MACHINE**
[54] **PROCEDE ET SYSTEME DANS UNE MACHINE FORESTIERE**
[72] HAVIMAKI, ESKO, FI
[71] PONSSE OYJ, FI
[85] 2022-02-11
[86] 2020-08-14 (PCT/FI2020/050529)
[87] (WO2021/028622)
[30] FI (20195678) 2019-08-14

[21] **3,147,843**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 9/10 (2006.01) A61P 27/02 (2006.01) C07K 16/22 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **METHODS OF TREATING OCULAR NEOVASCULAR DISEASES USING AAV2 VARIANTS ENCODING AFLIBERCEPT**
[54] **METHODES DE TRAITEMENT DE MALADIES NEOVASCULAIRES OCULAIRES A L'AIDE DE VARIANTS D'AAV2 CODANT POUR L'AFLIBERCEPT**
[72] GASMI, MEHDI, US
[72] KISS, SZILARD, US
[72] OSBORNE, AARON, US
[71] ADVERUM BIOTECHNOLOGIES, INC., US
[85] 2022-02-11
[86] 2019-11-18 (PCT/US2019/062066)
[87] (WO2021/050094)
[30] US (62/899,070) 2019-09-11
[30] US (62/913,648) 2019-10-10

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[13] A1
[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/427 (2006.01) A61P 35/00 (2006.01) C07D 405/04 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF A MEDICAMENT CONTAINING AN OXEPANE RING.**
[54] **PROCEDE DE PREPARATION D'UN MEDICAMENT CONTENANT UN CYCLE OXEPANE**
[72] GOSSELIN, FRANCIS, US
[72] CHENG, ZHIGANG, US
[72] MCCLORY, ANDREW (DECEASED), US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-02-11
[86] 2020-09-10 (PCT/US2020/050086)
[87] (WO2021/050654)
[30] US (62/898,861) 2019-09-11
[30] US (62/934,382) 2019-11-12

[21] **3,147,851**
[13] A1
[51] **Int.Cl. G07F 17/32 (2006.01) G09C 5/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DISPLAYING SYMBOLS**
[54] **PROCEDE ET DISPOSITIF D'AFFICHAGE DE SYMBOLES**
[72] ELMQVIST, FREDRIK, ES
[72] STOVELD, DAVID, MT
[71] YGGDRASIL MALTA LTD, MT
[85] 2022-02-11
[86] 2020-09-02 (PCT/EP2020/074377)
[87] (WO2021/043781)
[30] EP (19194954.4) 2019-09-02

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[13] A1
[51] **Int.Cl. A61F 9/013 (2006.01) A61F 9/011 (2006.01)**
[25] EN
[54] **OPHTHALMIC BLADES AND INSTRUMENTS AND METHODS OF USE THEREOF**
[54] **INSTRUMENTS CHIRURGICAUX OPHTALMIQUES ET LEURS PROCEDES D'UTILISATION**
[72] KUO, CHIH-HUNG, AU
[71] KUO, CHIH-HUNG, AU
[85] 2022-02-11
[86] 2020-08-21 (PCT/AU2020/050871)
[87] (WO2021/030873)

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING MICRONEEDLES USING A HIGH VISCOSITY COMPOSITION**
[54] **PROCEDE DE FABRICATION DE MICRO-AIGUILLES A L'AIDE D'UNE COMPOSITION A VISCOSITE ELEVEE**
[72] BAMSEY, RYAN, GB
[72] CAMELIU ICHIM, IONUT, GB
[71] INNOTURE IP LIMITED, GB
[85] 2022-02-11
[86] 2020-08-20 (PCT/GB2020/052009)
[87] (WO2021/032993)

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[13] A1
[51] **Int.Cl. A61L 27/34 (2006.01) A61L 27/36 (2006.01) A61L 27/38 (2006.01)**
[25] EN
[54] **TISSUE REPAIR MEMBRANE ADAPTED FOR ADHESION AND LUBRICATION, AND METHODS FOR PREPARING THE SAME**
[54] **MEMBRANE DE REGENERATION DES TISSUS CONCUE POUR L'ADHERENCE ET LA LUBRIFICATION, ET SES PROCEDES DE PREPARATION**
[72] DEISTER, CURT, US
[71] AXOGEN CORPORATION, US
[85] 2022-02-14
[86] 2020-08-14 (PCT/US2020/046309)
[87] (WO2021/030660)
[30] US (62/887,146) 2019-08-15
[30] US (16/992,857) 2020-08-13

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[13] A1
[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/12 (2006.01) A61B 17/00 (2006.01) A61B 17/32 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **DEVICE FOR VESSEL HARVESTING**
[54] **DISPOSITIF DE COLLECTE DE RECIPIENTS**
[72] SAUER, JUDE S., US
[72] DECLERCK, MATTHEW DAVID, US
[71] LSI SOLUTIONS, INC., US
[85] 2022-02-14
[86] 2020-08-13 (PCT/US2020/046188)
[87] (WO2021/030591)
[30] US (62/886,374) 2019-08-14
[30] US (62/916,571) 2019-10-17
[30] US (62/981,813) 2020-02-26

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[13] A1
[51] **Int.Cl. C09J 11/08 (2006.01) C08G 18/79 (2006.01)**
[25] EN
[54] **TWO-COMPONENT URETHANE FOR THE REPAIR OF WOOD AND WOOD PRODUCTS AND THE METHODS OF USING SAME**
[54] **URETHANE A DEUX COMPOSANTS POUR LA REPARATION DE BOIS ET DE PRODUITS EN BOIS ET SES PROCEDES D'UTILISATION**
[72] DAVIS, J. EVAN, US
[72] POLIZZI, NICKLAS, US
[71] THE WILLAMETTE VALLEY COMPANY, LLC, US
[85] 2022-02-14
[86] 2020-08-31 (PCT/US2020/048767)
[87] (WO2021/045993)
[30] US (62/896,863) 2019-09-06

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[13] A1
[51] **Int.Cl. A63B 21/00 (2006.01) A63B 21/02 (2006.01)**
[25] EN
[54] **MODULAR CABLE-BASED RESISTANCE WORKOUT DEVICE**
[54] **DISPOSITIF D'EXERCICE DE RESISTANCE A CABLE MODULAIRE**
[72] HERRING, ARTHUR N., US
[72] LEWIS, ISAAC E.H., CA
[71] ANCHOR HEALTH AND FITNESS, INC., US
[85] 2022-02-14
[86] 2020-08-14 (PCT/US2020/046382)
[87] (WO2021/034671)
[30] US (62/888,138) 2019-08-16

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[13] A1
[51] **Int.Cl. E21B 17/02 (2006.01) B63B 21/27 (2006.01) E21B 33/035 (2006.01) E21B 41/08 (2006.01)**
[25] EN
[54] **SUBSEA WELLHEAD SUPPORT SYSTEM AND ASSOCIATED METHOD OF INSTALLING A SUBSEA WELLHEAD SUPPORT SYSTEM**
[54] **SYSTEME DE SUPPORT DE TETE DE PUITS SOUS-MARIN ET PROCEDE ASSOCIE D'INSTALLATION D'UN SYSTEME DE SUPPORT DE TETE DE PUITS SOUS-MARIN**
[72] ARNO-KRISTOFFERSEN, KRISTIAN, NO
[72] SUNDQVIST, GORAN OLOF, NO
[71] FMC KONGSBERG SUBSEA AS, NO
[85] 2022-02-14
[86] 2020-08-17 (PCT/EP2020/073010)
[87] (WO2021/032686)
[30] NO (20191016) 2019-08-22

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[13] A1
[51] **Int.Cl. A61K 31/47 (2006.01) A61K 31/4709 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING DISEASE ASSOCIATED WITH SENESCENCE**
[54] **METHODES DE TRAITEMENT D'UNE MALADIE ASSOCIEE A LA SENESCENCE**
[72] HUARD, JOHNNY, US
[72] PHILIPPON, MARC JOSEPH, US
[72] RAVURI, SUDHEER KUMAR, US
[72] HAMBRIGHT, WILLIAM SEALY, US
[72] HUARD, CHARLES, US
[72] MULLEN II, MICHAEL TERRANCE, US
[72] MITCHELL, JOHN WESTON, US
[72] WHITNEY, KAITLYN ELIZABETH, US
[71] STEADMAN PHILIPPON RESEARCH INSTITUTE, US
[85] 2022-02-14
[86] 2020-08-14 (PCT/US2020/046461)
[87] (WO2021/030730)
[30] US (62/887,090) 2019-08-15
[30] US (62/890,893) 2019-08-23
[30] US (62/890,910) 2019-08-23
[30] US (62/959,012) 2020-01-09
[30] US (62/985,242) 2020-03-04

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[13] A1
[51] **Int.Cl. C23C 16/50 (2006.01) H01J 37/32 (2006.01) H05H 1/24 (2006.01) H05H 1/46 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR OVER-THE-HORIZON COMMUNICATION**
[54] **SYSTEMES ET PROCEDES DE COMMUNICATION TRANS-HORIZON**
[72] KUNKEL, LEVI E., US
[72] EDWARDS, JOHN M., US
[71] FOURTH STATE COMMUNICATIONS, LLC, US
[85] 2022-02-14
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[72] CARTER, MATTHEW, US
[72] EVEN, RALPH C., US
[72] MCCULLOCH, BRYAN L., US
[72] MECCA, JODI M., US
[72] WOODWORTH, RICHARD P., US
[72] ZENG, FANWEN, US
[71] ROHM AND HAAS COMPANY, US
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[71] BASF COATINGS GMBH, DE
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[54] **MELANGE DE COPOLYMERES DE POLYETHYLENE**
[72] ZHANG, YICHI, US
[72] ROY, RAGHUNATH, US
[72] WHELCHEL, WAYNE C., US
[72] MORRIS, BARRY A., US
[72] JIANG, XIAN, US
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[54] **METHOD OF MAKING A HOMOGENEOUS MIXTURE OF POLYOLEFIN SOLIDS AND LIQUID ADDITIVE**
[54] **PROCEDE DE FABRICATION D'UN MELANGE HOMOGENE DE MATIERES SOLIDES DE POLYOLEFINE ET D'ADDITIF LIQUIDE**
[72] SENGUPTA, SAURAV S., US
[72] CHAUDHARY, BHARAT I., US
[72] MUNDRA, MANISH K., US
[72] GHOSH-DASTIDAR, ABHIJIT, US
[72] COGEN, JEFFREY M., US
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[54] **COMPOSITIONS ET METHODES POUR MODULER L'EPISSAGE ET L'EXPRESSION DE PROTEINES**
[72] AZNAREZ, ISABEL, US
[71] STOKE THERAPEUTICS, INC., US
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[54] **PROCEDE DE FABRICATION D'UN MELANGE HOMOGENE DE MATIERES SOLIDES DE POLYOLEFINE ET DE MATIERES SOLIDES DE CARBONE**
[72] ESSEGHIR, MOHAMED, US
[72] SENGUPTA, SAURAV S., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **METHOD FOR THE HETEROGENEOUS CATALYSIS USING A FERROMAGNETIC MATERIAL HEATED BY MAGNETIC INDUCTION AND CATALYST SUPPORT USED FOR SAID METHOD**
[54] **PROCEDE DE CATALYSE HETEROGENE METTANT EN ?UVRE UN MATERIAU FERROMAGNETIQUE CHAUFFE PAR INDUCTION MAGNETIQUE ET SUPPORT DE CATALYSEUR UTILISE POUR LEDIT PROCEDE**
[72] MARBAIX, JULIEN, FR
[72] KERROUX, PAULINE, FR
[72] KALE, SUMEET, IN
[72] ASENSIO REVERT, JUAN MANUEL, FR
[72] FAURE, STEPHANE, FR
[72] MILLE, NICOLAS, FR
[72] CARREY, JULIAN, FR
[72] SOULANTIKA, AIKATERINI, FR
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[54] **METHOD OF MAKING A HOMOGENEOUS MIXTURE OF POLYOLEFIN SOLIDS AND SOLID ADDITIVE**
[54] **PROCEDE DE FABRICATION D'UN MELANGE HOMOGENE DE MATIERES SOLIDES DE POLYOLEFINE ET D'ADDITIF SOLIDE**
[72] SENGUPTA, SAURAV S., US
[72] CHAUDHARY, BHARAT I., US
[72] MUNDRA, MANISH K., US
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[72] COGEN, JEFFREY M., US
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[54] **CONNECTEUR D'IDENTIFICATION PAR RADIOFREQUENCE**
[72] PRICE, MARTIN R., US
[72] HAGEN, KRISTIAN JAMES, US
[72] SAUSEN, KARI ANN, US
[71] OETIKER NY, INC., US
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[54] **PROCEDE DE FABRICATION D'UN MELANGE HOMOGENE DE SOLIDES DE POLYCHLORURE DE VINYLE ET D'ADDITIF**
[72] SENGUPTA, SAURAV S., US
[72] CHAUDHARY, BHARAT I., US
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[54] **POMPES PERISTALTIQUES A PULSATIONS REDUITES**
[72] MCDONELL, BRIAN WILLIAM, US
[71] ALCON INC., CH
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[54] **PROCEDE DE FABRICATION D'UN MELANGE HOMOGENE DE MATIERES SOLIDES DE POLYOLEFINE ET D'UN PEROXYDE ORGANIQUE**
[72] PERSON, TIMOTHY J., US
[72] DUNCHUS, NEIL W., US
[72] SENGUPTA, SAURAV S., US
[72] CARONIA, PAUL J., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **ALLIAGES A ULTRA-HAUTE FIABILITE A HAUTE TEMPERATURE**
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[72] RIBAS, MORGANA, US
[72] KUMAR, ANIL, US
[72] RANGARAJU, RAGHU R., US
[72] SARKAR, SIULI, US
[71] ALPHA ASSEMBLY SOLUTIONS INC., US
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[54] **PEPTIDES POUR LE TRAITEMENT DE L'ATROPHIE MUSCULAIRE**
[72] KHALDI, NORA, IE
[72] LOPEZ, CYRIL, IE
[72] ADELFIO, ALESSANDRO, IE
[71] NURITAS LIMITED, IE
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[54] **DISPERSION AQUEUSE DE POLYMERE**
[72] QIAN, ZHEN, CN
[72] WANG, JINFEI, CN
[72] XU, JIANMING, CN
[72] ZHANG, QINGWEI, CN
[72] CUI, WEI, CN
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
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[54] **ACCELERATION ADAPTATIVE POUR VEHICULE DE MANUTENTION DE MATERIAUX**
[72] SIMON, ANDREAS, US
[72] THEOS, SEBASTIAN, US
[72] NACHTIGAL, JOHANNES, US
[71] CROWN EQUIPMENT CORPORATION, US
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[54] **RECHERCHE DE FLAMME AVEC ANALYSE D'IMAGE AUTOMATISEE**
[72] BONN, DAVID, US
[71] DEEP SEEK LABS, INC., US
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[54] **FORMES CRISTALLINES D'UN INHIBITEUR DE CD73**
[72] GARCIA-CERRADA, SUSANA MARIA, US
[72] LU, YU, US
[72] REMICK, DAVID MICHAEL, US
[71] ELI LILLY AND COMPANY, US
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[54] **SOUS-SYSTEMES DE POMPE A PISTON ROTATIF**
[72] AGARD, RYAN MICHAEL, US
[72] CLEMENTE, MATTHEW JAMES, US
[72] DEVITT, SHAUN ROBERT, US
[71] ELI LILLY AND COMPANY, US
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[30] US (62/895,140) 2019-09-03

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[51] **Int.Cl. A61K 31/7088 (2006.01) A61K 31/7105 (2006.01)**
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[54] **OLIGONUCLEOTIDES DE MODULATION D'EPISSAGE CIBLANT UN RECEPTEUR POUR DES PRODUITS FINAUX DE GLYCATION AVANCEE ET PROCEDES D'UTILISATION**
[72] LYKENS, NICOLE M., US
[72] LUTZ, GORDON J., US
[72] TALLENT, MELANIE K., US
[71] LIFESPLICE PHARMA LLC, US
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[25] EN
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[54] **IMPRESSION TRIDIMENSIONNELLE D'UN ORGANE TERMINAL EFFECTEUR A GRADIENT FONCTIONNEL**
[72] LEIBIG, CORA, US
[72] GARROD, MICHAEL, US
[71] CHROMATIC 3D MATERIALS INC., US
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[54] **EMBALLAGE A SECURITE ENFANTS**
[72] GREEN, NICHOLAS, GB
[72] GANDY, MATTHEW, GB
[71] SMOL LIMITED, GB
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[54] **SYSTEME DE FORAGE COMPRENANT UN SYSTEME DE GESTION DE BOUE**
[72] VOS, ANDREW D., US
[72] JACKSON, BRICE AARON, US
[72] HERSKOWITZ, LAWRENCE, US
[72] ROBICHAUD, DANIEL REYNOLD, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **CHARGEUR POUR VEHICULES ELECTRIQUES ENFICHABLES**
[72] BAI, HUA, US
[72] ZHU, LIYAN, US
[72] BAECK, WOLFGANG, AT
[72] NEUDORFHOFER, MICHAEL, AT
[72] SCHLAGER, GERD, AT
[72] IYER, LAKSHMI VARAHA, US
[72] KORTA, PHILIP, US
[71] MAGNA INTERNATINAL INC., CA
[71] UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, US
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[30] US (62/887,910) 2019-08-16

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[25] EN
[54] **ANODES FOR LITHIUM-BASED ENERGY STORAGE DEVICES, AND METHODS FOR MAKING SAME**
[54] **ANODES POUR DISPOSITIFS DE STOCKAGE D'ENERGIE A BASE DE LITHIUM ET PROCEDES POUR LA FABRICATION DE CELLES-CI**
[72] BREWER, JOHN C., US
[72] TANZIL, KEVIN, US
[72] GARMAN, PAUL D., US
[72] ANSTEY, ROBERT G., US
[72] LUND, ISAAC N., US
[71] GRAPHENIX DEVELOPMENT, INC., US
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[54] **DETECTEUR DE PLAN FOCAL**
[72] HOANG, HUNG QUANG, LU
[72] WIRTZ, TOM, LU
[71] LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY (LIST), LU
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[54] **ETALONNAGE AUDIO D'UN DISPOSITIF DE LECTURE PORTABLE**
[72] MCPHERSON, PATRICK, US
[72] RAMOS, AURELIO RAFAEL, US
[71] SONOS, INC., US
[85] 2022-02-14
[86] 2020-08-11 (PCT/US2020/045746)
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[54] **ASSOCIATION BETWEEN 4 COPIES OF EXON 3 OF FAIM AND PROGRESSIVE CHRONIC KIDNEY DISEASE IN CATS**
[54] **ASSOCIATION ENTRE 4 COPIES DE L'EXON 3 DE FAIM ET UNE MALADIE RENALE CHRONIQUE PROGRESSIVE CHEZ LES CHATS**
[72] BROUGHTON-NEISWANGER, LIAM, US
[72] COURT, MICHAEL, US
[72] VILLARINO, NICOLAS, US
[72] BURKE, NEAL, US
[71] WASHINGTON STATE UNIVERSITY, US
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[30] US (PCT/US2019/051495) 2019-09-17
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[54] **SYSTEMES ET PROCEDES DE DETECTION D'UN DEREGLEMENT DE LA VOIE CELLULAIRE DANS DES ECHANTILLONS DE CANCER**
[72] BEAUBIER, NIKE T., US
[72] LEFKOFSKY, HAILEY B., US
[72] LANGER, LEE F., US
[72] BELL, JOSHUA SK, US
[72] IGARTUA, CATHERINE, US
[72] DREWS, JOSHUA, US
[71] TEMPUS LABS, INC., US
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[54] **SYSTEME DE SEPARATEUR MAGNETIQUE DE PIPELINE AUTONETTOYANT**
[72] SIMONSON, ROGER M., CA
[71] 1773048 ALBERTA LTD., CA
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[54] **SIGNALISATION DE CAPACITE MIMO DE LIAISON MONTANTE DE PUISSANCE TOTALE**
[72] HARRISON, ROBERT MARK, US
[72] NILSSON, ANDREAS, SE
[72] WERNERSSON, NIKLAS, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[54] **THERAPEUTIC AGENT EFFECTIVENESS AND ITS ROUTE OF ADMINISTRATION**
[54] **EFFICACITE D'AGENT THERAPEUTIQUE ET SA VOIE D'ADMINISTRATION**
[72] KRISHNAN, VYJAYANTHI, US
[72] ROBERTS, M. SCOT, US
[71] ALTIMMUNE, INC., US
[85] 2022-02-14
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[54] **COMPOUNDS AND USE THEREOF FOR THE TREATMENT OF INFECTIOUS DISEASES AND CANCER**
[54] **COMPOSES ET LEUR UTILISATION POUR LE TRAITEMENT DE MALADIES INFECTIEUSES ET DU CANCER**
[72] AUCLAIR, CHRISTIAN, FR
[72] IVES, ANNETTE, CH
[71] AC BIOSCIENCE SA, CH
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[54] **COMMUNICATION METHOD AND RELATED DEVICE**
[54] **PROCEDE DE COMMUNICATION ET DISPOSITIFS ASSOCIES**
[72] LEI, ZHONGDING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-02-15
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[54] **PIPELINE ISOLATION TOOL, ASSEMBLY & METHOD**
[54] **OUTIL D'ISOLATION DE PIPELINE, ENSEMBLE ET PROCEDE**
[72] BOWIE, ANGUS, GB
[71] STATS (UK) LIMITED, GB
[85] 2022-02-15
[86] 2020-08-17 (PCT/GB2020/051966)
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[54] **CONCENTRATED LAUNDRY DETERGENT DISPENSER**
[54] **DISTRIBUTEUR DE DETERGENT A LESSIVE CONCENTRE**
[72] YOUDOVIN, DAVID N., US
[71] BUTLER'S BRAND, INC., US
[85] 2022-02-15
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[54] **DELIVERY PEPTIDES AND METHODS OF USING THE SAME**
[54] **PEPTIDES D'ADMINISTRATION ET LEURS PROCEDES D'UTILISATION**
[72] KHALAILA, ISAM, IL
[72] SAGI, AMIR, IL
[72] COHEN, SHANY, IL
[71] NATIONAL INSTITUTE FOR BIOTECHNOLOGY IN THE NEGEV LTD., IL
[71] B. G. NEGEV TECHNOLOGIES AND APPLICATIONS LTD., AT BEN-GURION UNIVERSITY, IL
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[54] **IL-15 CONJUGATES AND USES THEREOF**
[54] **CONJUGUES D'IL-15 ET LEURS UTILISATIONS**
[72] CAFFARO, CAROLINA E., US
[72] PTACIN, JEROD, US
[72] MILLA, MARCOS, US
[71] SYNTHORX, INC., US
[85] 2022-02-15
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[54] **RAMAN SPECTROSCOPY FOR MINERALS IDENTIFICATION**
[54] **SPECTROSCOPIE RAMAN POUR L'IDENTIFICATION DE MINERAUX**
[72] BARTHOLOMEW, PAUL, US
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[54] **DEHUMIDIFIER APPARATUS**
[54] **APPAREIL DESHUMIDIFICATEUR**
[72] AHSBERG, JOHAN, SE
[71] REDDO FLOOR SOLUTIONS AB, SE
[85] 2022-02-15
[86] 2020-08-25 (PCT/SE2020/050814)
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[54] **CONNECTION ESTABLISHMENT METHOD AND DEVICE, LINK STATE NOTIFICATION METHOD AND DEVICE, INTERFACE ESTABLISHMENT METHOD AND DEVICE, INFORMATION TRANSMISSION METHOD AND DEVICE, INTEGRATED ACCESS BACKHAUL NODE, CENTRALIZED UNIT, SYSTEM AND STORAGE MEDIUM**
[54] **PROCEDE ET DISPOSITIF D'ETABLISSEMENT DE CONNEXION, PROCEDE ET DISPOSITIF DE NOTIFICATION D'ETAT DE LIAISON, PROCEDE ET DISPOSITIF D'ETABLISSEMENT D'INTERFACE, PROCEDE ET DISPOSITIF DE TRANSMISSION D'INFORMATIONS, N?UD DE RACCORDEMENT D'ACCES INTEGRE, UNITE CENTRALISEE, SYSTEME ET SUPPORT DE STOCKAG**
[72] LUO, WEI, CN
[72] CHEN, LIN, CN
[71] ZTE CORPORATION, CN
[85] 2022-02-15
[86] 2020-07-21 (PCT/CN2020/103176)
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[54] **METHOD FOR INDICATING CONTROL INFORMATION AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF D'INDICATION D'INFORMATIONS DE COMMANDE**
[72] WU, JI, CN
[72] ZHANG, JIAYIN, CN
[72] JIA, QIONG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **MOLECULE D'ACIDE NUCLEIQUE POUR LE TRAITEMENT DE LA THROMBOCYTOPENIE IMMUNITAIRE ET SON APPLICATION**
[72] LI, LONGCHENG, CN
[72] KANG, MOORIM, CN
[71] RACTIGEN THERAPEUTICS, CN
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[86] 2020-09-18 (PCT/CN2020/116227)
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[54] **SYSTEMS AND METHODS FOR CREATING AUTOMATED FAUX-MANUAL MARKINGS ON DIGITAL IMAGES IMITATING MANUAL INSPECTION RESULTS**
[54] **SYSTEMES ET PROCEDES DE CREATION DE MARQUAGES MANUELS FICTIFS AUTOMATIQUES SUR DES IMAGES NUMERIQUES IMITANT DES RESULTATS D'INSPECTION MANUELLE**
[72] STRONG, SHADRIAN, US
[72] BANTA, BILL, US
[71] PICTOMETRY INTERNATIONAL CORP., US
[85] 2022-02-15
[86] 2020-09-25 (PCT/US2020/052714)
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[25] EN
[54] **SEPARATION OF VISCOUS OILS INTO COMPONENTS**
[54] **SEPARATION D'HUILES VISQUEUSES EN COMPOSANTS**
[72] GATES, IAN DONALD, CA
[72] WANG, JINGYI, CA
[71] SOLIDEUM INC., CA
[85] 2022-02-15
[86] 2020-08-21 (PCT/CA2020/051150)
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[30] US (62/891,135) 2019-08-23
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[51] **Int.Cl. G06K 9/00 (2022.01) G06K 9/62 (2022.01)**
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[54] **SYSTEMS FOR THE CLASSIFICATION OF INTERIOR STRUCTURE AREAS BASED ON EXTERIOR IMAGES**
[54] **SYSTEMES POUR LA CLASSIFICATION DE SURFACES DE STRUCTURE INTERIEURE SUR LA BASE D'IMAGES EXTERIEURES**
[72] STRONG, SHADRIAN, US
[71] PICTOMETRY INTERNATIONAL CORP., US
[85] 2022-02-15
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[54] **SOLID FORMS OF SUBSTITUTED BENZOXABOROLE AND COMPOSITIONS THEREOF**
[54] **FORMES SOLIDES DE BENZOXABOROLE SUBSTITUE ET COMPOSITIONS ASSOCIEES**
[72] LIU, CHUN YU, US
[72] AUBREY, MARISSA CAROLINE, US
[72] ZHANG, YONG-KANG, US
[72] SAMUELS, MICHAEL, US
[71] 5METIS, INC., US
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[25] EN
[54] **A CARDANOL-DERIVATIVES MODIFIED POLYMER AND A COATING COMPOSITION COMPRISING THE SAME**
[54] **POLYMERE MODIFIE PAR DES DERIVES DE CARDANOL ET COMPOSITION DE REVETEMENT LE COMPRENANT**
[72] WANG, HAN BIN, CN
[72] LI, QIANG, CN
[72] HIRSEMANN, STEFAN, CN
[71] BASF COATINGS GMBH, DE
[85] 2022-02-15
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[54] **METHODS OF TRAPPING CRUSTACEANS**
[54] **PROCEDES DE PIEGEAGE DE CRUSTACES**
[72] HARDEGE, JORG, GB
[72] FLETCHER, NICHOLA, GB
[72] TERSCHAK, JOHN, GB
[72] BURNETT, JONATHAN WILLIAM, GB
[71] THE UNIVERSITY OF HULL, GB
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[54] **ANATOMICALLY ALIGNED PROSTHETIC ANKLE**
[54] **CHEVILLE PROTHETIQUE A ALIGNEMENT ANATOMIQUE**
[72] DAVIDSON, MICHAEL, US
[72] CUTTING, SPENCER, US
[71] LOMA LINDA UNIVERSITY, US
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[54] **APPARATUS FOR CATALYTIC REFORMING HYDROCARBONS HAVING FLOW DISTRIBUTOR AND PROCESS FOR REFORMING HYDROCARBONS**
[54] **APPAREIL DE REFORMAGE CATALYTIQUE D'HYDROCARBURES AYANT UN REPARTITEUR DE FLUX ET PROCEDE DE REFORMAGE D'HYDROCARBURES**
[72] OZMEN, JENNIFER, US
[72] IDDIR, HADJIRA, US
[72] GROTT, JEFFREY, US
[72] VETTER, MICHAEL J., US
[71] UOP LLC, US
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[86] 2020-03-10 (PCT/US2020/021793)
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[54] **ANTIBODIES AND THE USES THEREOF**
[54] **ANTICORPS ET LEURS UTILISATIONS**
[72] POTHLICHET, JULIEN, FR
[72] THEZE, JACQUES, FR
[71] DIACCURATE, FR
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[25] EN
[54] **INSTALLATION COMPRISING A CONTAINMENT FOR THE ASEPTIC TRANSFER OF A POWDER**
[54] **SYSTEME COMPRENANT UN EQUIPEMENT DE CONFINEMENT POUR LE TRANSFERT ASEPTIQUE D'UNE POUDRE**
[72] BROM, VINCENT, FR
[72] LEHMANN, FRANK MARTIN, CH
[71] SKAN AG, CH
[85] 2022-02-15
[86] 2020-08-12 (PCT/CH2020/000010)
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[54] **PROFILED EAR PIECE AND DEVICE FOR THE GENERATION OF AN EAR PIECE**
[54] **ECOUTEUR PROFILE ET DISPOSITIF POUR LA PRODUCTION D'UN ECOUTEUR**
[72] KLARE, MARTIN, DE
[72] SCHWAN, AXEL, DE
[71] PRO3DURE MEDICAL GMBH, DE
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[86] 2020-09-17 (PCT/EP2020/076036)
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[54] **COUPLING MECHANISM**
[54] **MECANISME DE COUPLAGE**
[72] TOLLEY, MARK, SC
[71] ACOUSTIC DATA LIMITED, SC
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[86] 2020-09-10 (PCT/IB2020/058402)
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[25] EN
[54] **LYMPHODEPLETION DOSING REGIMENS FOR CELLULAR IMMUNOTHERAPIES**
[54] **SCHEMAS POSOLOGIQUES DE LYMPHODEPLETION POUR IMMUNOTHERAPIES CELLULAIRES**
[72] MCCREEDY, BRUCE J. JR., US
[71] PRECISION BIOSCIENCES, INC., US
[85] 2022-02-15
[86] 2020-08-20 (PCT/US2020/047202)
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[30] US (62/889,338) 2019-08-20
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[25] EN
[54] **TREATMENT OF FRAGILE X SYNDROME WITH IBUDILAST IN COMBINATION WITH METFORMIN, CANNBIDIOL, SERTRALINE OR QUERCETIN**
[54] **TRAITEMENT DU SYNDROME DE L'X FRAGILE AVEC DE L'IBUDILAST EN ASSOCIATION AVEC DE LA METFORMINE, DU CANNABIDIOL, DE LA SERTRALINE OU DE LA QUERCETINE**
[72] BROWN, DAVID, GB
[71] HEALX LTD, GB
[85] 2022-02-15
[86] 2020-09-04 (PCT/GB2020/052122)
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[30] GB (1912760.4) 2019-09-05

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[25] EN
[54] **LOW-PRESSURE DEPOLYMERIZATION OF LIGNOCELLULOSIC BIOMASS**
[54] **DEPOLYMERISATION DE BIOMASSE LIGNOCELLULOSIQUE A BASSE PRESSION**
[72] EBIKADE, ELVIS O., US
[72] GOTTLIEB, ERIC R., US
[72] O'DEA, ROBERT M., US
[72] EPPS, THOMAS H., US
[72] VLACHOS, DIONISIOS, US
[71] EBIKADE, ELVIS O., US
[71] GOTTLIEB, ERIC R., US
[71] O'DEA, ROBERT M., US
[71] EPPS, THOMAS H., US
[71] VLACHOS, DIONISIOS, US
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[86] 2020-08-14 (PCT/US2020/046384)
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[30] US (62/887,009) 2019-08-15

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[51] **Int.Cl. C07K 16/24 (2006.01) A61P 37/02 (2006.01)**
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[54] **USE OF BRAZIKUMAB TO TREAT CROHN'S DISEASE**
[54] **UTILISATION DE BRAZIKUMAB POUR TRAITER LA MALADIE DE CROHN**
[72] SHIFF, STEVEN, US
[72] GOMMOLL, CARL, US
[72] SAHOO, APARNA, US
[71] ASTRAZENECA COLLABORATION VENTURES, LLC, US
[85] 2022-02-15
[86] 2020-08-21 (PCT/US2020/047358)
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[30] US (62/890,017) 2019-08-21

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[25] EN
[54] **MULTI-PURPOSE STRUCTURAL PANELS AND SYSTEMS FOR ASSEMBLING STRUCTURES**
[54] **PANNEAUX STRUCTURAUX POLYVALENTS ET SYSTEMES D'ASSEMBLAGE DE STRUCTURES**
[72] PEREZ, ALAIN, US
[71] PEREZ, ALAIN, US
[85] 2022-02-14
[86] 2021-09-21 (PCT/US2021/051216)
[87] (3148844)
[30] US (17/221,061) 2021-04-02
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[25] EN
[54] **IN-VITRO PHOTOAUTOTROPHIC PROPAGATION OF CANNABIS**
[54] **PROPAGATION PHOTOAUTOTROPHE IN-VITRO DE CANNABIS**
[72] LEAVITT, CHRISTOPHER, US
[71] NODE LABS, INC., US
[85] 2022-02-16
[86] 2020-08-17 (PCT/US2020/046645)
[87] (WO2021/034755)
[30] US (62/888,853) 2019-08-19

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[51] **Int.Cl. G06F 40/00 (2020.01)**
[25] EN
[54] **METHOD FOR DYNAMIC CATEGORIZATION THROUGH NATURAL LANGUAGE PROCESSING**
[54] **PROCEDE DE CATEGORISATION DYNAMIQUE PAR TRAITEMENT DE LANGAGE NATUREL**
[72] ROBERTS, GREGORY F., US
[72] SORAH, MICHAEL ALLEN, US
[71] ROSOKA SOFTWARE, INC., US
[85] 2022-02-16
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[87] (WO2021/034663)
[30] US (62/888,386) 2019-08-16

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[25] EN
[54] **NEUROMELANIN-SENSITIVE MRI FOR ASSESSING PARKINSON'S DISEASE**
[54] **IRM SENSIBLE A LA NEUROMELANINE POUR EVALUER LA MALADIE DE PARKINSON**
[72] CLARK, SAMUEL, US
[72] HORGA HERNANDEZ, GUILLERMO, US
[72] CASSIDY, CLIFFORD MILLS, CA
[72] WENGLER, KENNETH, US
[71] TERRAN BIOSCIENCES, INC., US
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[71] THE RESEARCH FOUNDATION FOR MENTAL HYGIENE, INC., US
[85] 2022-02-16
[86] 2020-08-17 (PCT/US2020/046686)
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[30] US (62/889,300) 2019-08-20

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[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
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[54] **IMMUNE CELLS FOR ADOPTIVE CELL THERAPIES**
[54] **CELLULES IMMUNITAIRES POUR THERAPIES CELLULAIRES ADOPTIVES**
[72] NEELAPU, SATTVA S., US
[72] LIU, JINGWEI, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2022-02-16
[86] 2020-08-19 (PCT/US2020/047078)
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[30] US (62/889,662) 2019-08-21

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[51] **Int.Cl. A61K 31/506 (2006.01) A61K 9/00 (2006.01) A61P 25/00 (2006.01)**
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[54] **PHARMACEUTICAL COMPOSITION FOR TREATING INSOMNIA**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DE L'INSOMNIE**
[72] SAVANT LANDRY, ISHANI, US
[72] NAKAI, KENYA, JP
[72] MIYAJIMA, YUKIKO, JP
[72] NAKATANI, YOSUKE, JP
[72] UENO, TAKASHI, JP
[72] SCHUCK, EDGAR, US
[71] EISAI R&D MANAGEMENT CO., LTD., JP
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[51] **Int.Cl. A61B 1/04 (2006.01) A61B 90/30 (2016.01) A61B 1/06 (2006.01) A61B 1/313 (2006.01) A61B 17/34 (2006.01)**
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[54] **CANNULA WITH ILLUMINATION**
[54] **CANULE AVEC ECLAIRAGE**
[72] TSUKASHIMA, ROSS, US
[72] FULLER, DONALD JOSEPH, US
[72] SCHMIDT, JACK H., US
[71] REBOUND THERAPEUTICS CORPORATION, US
[85] 2022-02-16
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[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/073 (2010.01) A61K 35/44 (2015.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF TREATING VASCULAR DISEASES**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE MALADIES VASCULAIRES**
[72] MIROTSOU, MARIA, US
[72] PRASAIN, NUTAN, US
[72] SINGH, AMRITA, US
[72] LANZA, ROBERT, US
[71] ASTELLAS INSTITUTE FOR REGENERATIVE MEDICINE, US
[85] 2022-02-16
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[25] EN
[54] **METHODS OF TREATING VASCULAR DISEASES**
[54] **PROCEDES DE TRAITEMENT DE MALADIES VASCULAIRES**
[72] SAKURAI, NAGISA, US
[72] MIROTSOU, MARIA, US
[72] PRASAIN, NUTAN, US
[72] SINGH, AMRITA, US
[72] LANZA, ROBERT, US
[71] ASTELLAS INSTITUTE FOR REGENERATIVE MEDICINE, US
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR CLL1 MODIFICATION**
[54] **COMPOSITIONS ET PROCEDES POUR MODIFICATION DE CLL1**
[72] LYDEARD, JOHN, US
[72] LUO, CHONG, US
[72] LIN, MICHELLE, US
[71] VOR BIOPHARMA INC., US
[85] 2022-02-16
[86] 2020-08-28 (PCT/US2020/048617)
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[30] US (62/892,868) 2019-08-28
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[51] **Int.Cl. H04W 74/08 (2009.01)**
[25] EN
[54] **RANDOM ACCESS METHOD, TERMINAL DEVICE, AND NETWORK DEVICE**
[54] **PROCEDE D'ACCES ALEATOIRE, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
[72] XING, SHUANGSHUANG, CN
[72] WU, YIQUN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-02-16
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[51] **Int.Cl. C07K 16/18 (2006.01) A61K 38/00 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **TREATMENT OF CANCER WITH A COMBINATION OF AN ANTIBODY THAT BINDS LGR5 AND EGFR AND A TOPOISOMERASE I INHIBITOR**
[54] **TRAITEMENT DU CANCER AVEC UNE COMBINAISON D'UN ANTICORPS SE LIANT A LGR5 ET EGFR ET D'UN INHIBITEUR DE LA TOPOISOMERASE DE TYPE I**
[72] THROSBY, MARK, NL
[72] WASSERMAN, ERNESTO ISAAC, NL
[71] MERUS N.V., NL
[85] 2022-02-16
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[25] EN
[54] **MULTIVIEW BACKLIGHT, MULTIVIEW DISPLAY, AND METHOD EMPLOYING REFLECTIVE MULTIBEAM ELEMENTS**
[54] **RETROECLAIRAGE MULTIVUE ET DISPOSITIF D'AFFICHAGE MULTIVUE, ET PROCEDE FAISANT APPEL A DES ELEMENTS MULTIFAISCEAUX REFLECHISSANTS**
[72] FATTAL, DAVID A., US
[72] HOEKMAN, THOMAS, US
[72] BUKOWSKY, COLTON, US
[72] MA, MING, US
[71] LEIA INC., US
[85] 2022-02-16
[86] 2020-09-10 (PCT/US2020/050157)
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[30] US (62/899,699) 2019-09-12

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[51] **Int.Cl. G01V 5/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MATERIAL DENSITY DISTRIBUTION SURVEY BASED ON COSMIC MUON DETECTION**
[54] **SYSTEME ET PROCEDE D'ETUDE DE DISTRIBUTION DENSIMETRIQUE D'UNE SUBSTANCE REPOSANT SUR LA DETECTION DE MUONS COSMIQUES**
[72] HOLMA, MARKO, FI
[72] KUUSINIEMI, PASI, FI
[71] MUON SOLUTIONS OY, FI
[85] 2022-02-16
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[25] EN
[54] **FILTER MEDIUM COMPRISING A FINE FIBER LAYER**
[54] **MILIEU FILTRANT COMPRENANT UNE COUCHE DE FIBRES FINES**
[72] JONES, DEREK O., US
[72] WILLIS, KLENTON T., US
[72] IGNACIO-DE LEON, PATRICIA A., US
[72] WEIK, THOMAS M., US
[72] SAVSTROM, JACOB C., US
[71] DONALDSON COMPANY, INC., US
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[51] **Int.Cl. G01N 24/08 (2006.01) G01V 3/32 (2006.01)**
[25] EN
[54] **IDENTIFYING FLUID TYPES AND ASSOCIATED VOLUMES IN ROCK SAMPLES USING NUCLEAR MAGNETIC RESONANCE ANALYSES**
[54] **IDENTIFICATION DE TYPES DE FLUIDE ET DE VOLUMES ASSOCIES DANS DES ECHANTILLONS DE ROCHE A L'AIDE D'ANALYSES PAR RESONANCE MAGNETIQUE NUCLEAIRE**
[72] IJASAN, OLABODE, US
[72] MCLENDON, DARREN M., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2022-02-16
[86] 2020-08-14 (PCT/US2020/070414)
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[30] US (62/930,270) 2019-11-04
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[51] **Int.Cl. E21B 19/16 (2006.01) B23B 31/12 (2006.01) B25B 13/50 (2006.01)**
[25] EN
[54] **POWER TONG APPARATUS AND METHOD OF USING SAME**
[54] **APPAREIL DE CLE DE VISSAGE AUTOMATIQUE ET SON PROCEDE D'UTILISATION**
[72] SUBRAMANIAN, JAYARAM, US
[72] LOWERISON, SCOTT A., US
[72] MATHERNE, LEE J., US
[72] RAMOS, SIDNEY C., US
[72] MARTINEZ, ERNESTO M., US
[72] SOWELL, ELAM A., US
[71] PREMIERE, INC., US
[85] 2022-02-16
[86] 2020-08-17 (PCT/IB2020/057727)
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[30] US (62/887,747) 2019-08-16

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[51] **Int.Cl. G01N 24/08 (2006.01) G01V 3/32 (2006.01) G01N 15/06 (2006.01)**
[25] EN
[54] **ESTIMATING PORE AND FLUID CHARACTERISTIC PROPERTIES IN ROCK SAMPLES USING NUCLEAR MAGNETIC RESONANCE ANALYSES**
[54] **ESTIMATION DE PROPRIETES CARACTERISTIQUES DE PORE ET DE FLUIDE DANS DES ECHANTILLONS DE ROCHE A L'AIDE D'ANALYSES PAR RESONANCE MAGNETIQUE NUCLEAIRE**
[72] IJASAN, OLABODE, US
[72] MCLENDON, DARREN M., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2022-02-16
[86] 2020-08-14 (PCT/US2020/070415)
[87] (WO2021/092604)
[30] US (62/930,270) 2019-11-04
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[51] **Int.Cl. A47B 23/00 (2006.01) A47B 5/02 (2006.01) A47C 7/62 (2006.01) A47C 19/22 (2006.01) F16M 13/02 (2006.01)**
[25] EN
[54] **MODULAR TRAYS AND METHODS OF USING**
[54] **PLATEAUX MODULAIRES ET LEURS PROCEDES D'UTILISATION**
[72] MARTINEZ, MICHAEL A., US
[71] MARTINEZ, MICHAEL A., US
[85] 2022-02-16
[86] 2020-10-28 (PCT/US2020/057615)
[87] (WO2021/086885)
[30] US (63/027,670) 2020-05-20

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[51] **Int.Cl. A61M 16/16 (2006.01) A61M 16/14 (2006.01)**
[25] EN
[54] **LIQUID CHAMBER FOR A BREATHING ASSISTANCE APPARATUS**
[54] **CHAMBRE DE LIQUIDE POUR UN APPAREIL D'ASSISTANCE RESPIRATOIRE**
[72] GARCIA, ENRICO ALVAREZ, NZ
[72] KRAMER, MARTIN PAUL FRIEDRICH, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[85] 2022-02-16
[86] 2020-08-21 (PCT/IB2020/057846)
[87] (WO2021/038401)
[30] US (62/890,846) 2019-08-23

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[25] EN
[54] **3D PRINTED ANTENNA**
[54] **ANTENNE IMPRIMEE EN 3D**
[72] DEORE, BHAVANA, CA
[72] PAQUET, CHANTAL, CA
[72] LACELLE, THOMAS, CA
[72] MALENFANT, PATRICK ROLAND LUCIEN, CA
[72] AMAYA, RONY, CA
[72] HYLAND, JOSEPH, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2022-02-16
[86] 2020-08-26 (PCT/IB2020/057971)
[87] (WO2021/044258)
[30] US (62/895,218) 2019-09-03
[30] IB (PCT/IB2019/058923) 2019-10-18
[30] US (62/923,043) 2019-10-18
[30] US (62/923,103) 2019-10-18
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[51] **Int.Cl. A01G 7/06 (2006.01) A01C 15/02 (2006.01) A01C 15/16 (2006.01) A01C 23/02 (2006.01) B65D 83/00 (2006.01)**
[25] EN
[54] **PLANT SUPPLEMENT DELIVERY ASSEMBLIES, PLANT SUPPLEMENT DELIVERY ASSEMBLY INSERTS, AND METHODS FOR DELIVERING PLANT SUPPLEMENTS**
[54] **ENSEMBLES D'APPORT DE SUPPLEMENTS POUR PLANTES, INSERTS D'ENSEMBLE D'APPORT DE SUPPLEMENTS POUR PLANTES ET PROCEDES D'APPORT DE SUPPLEMENTS POUR PLANTES**
[72] SIMMONS, KEVIN L., US
[72] OWSLEY JR., STANLEY L., US
[72] CLELLAND, DUSTIN T., US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2022-02-16
[86] 2020-09-24 (PCT/US2020/052568)
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[30] US (62/906,486) 2019-09-26

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[51] **Int.Cl. G02B 1/04 (2006.01) B33Y 80/00 (2015.01) B33Y 70/10 (2020.01) G02B 3/06 (2006.01) G02B 3/10 (2006.01)**
[25] EN
[54] **3D PRINTED GRADED REFRACTIVE INDEX DEVICE**
[54] **DISPOSITIF A GRADIENT D'INDICE DE REFRACTION IMPRIME EN 3D**
[72] DEORE, BHAVANA, CA
[72] PAQUET, CHANTAL, CA
[72] LACELLE, THOMAS, CA
[72] MALENFANT, PATRICK ROLAND LUCIEN, CA
[72] AMAYA, RONY, CA
[72] HYLAND, JOSEPH, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2022-02-16
[86] 2020-08-26 (PCT/IB2020/057978)
[87] (WO2021/044260)
[30] US (62/895,218) 2019-09-03
[30] IB (PCT/IB2019/058923) 2019-10-18
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[51] **Int.Cl. E04C 2/12 (2006.01) G06Q 10/08 (2012.01) G06Q 50/08 (2012.01) E04B 1/00 (2006.01)**
[25] EN
[54] **LUMBER USE DESIGNATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DESIGNATION D'UTILISATION DE BOIS D'□UVRE**
[72] BONAMY, R. DAVID, JR, US
[71] RDBJ, LLC, US
[85] 2022-02-16
[86] 2020-09-09 (PCT/US2020/049951)
[87] (WO2021/050551)
[30] US (62/900,007) 2019-09-13

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[13] A1
[51] **Int.Cl. C08F 4/649 (2006.01) C08F 210/16 (2006.01)**
[25] EN
[54] **HIGH PRODUCTIVITY POLYMERIZATION WITH ARYLOXY ETHER LIGAND CATALYST**
[54] **POLYMERISATION A PRODUCTIVITE ELEVEE AVEC UN CATALYSEUR DE LIGAND ARYLOXY ETHER**
[72] WANG, QINYAN, US
[72] FAN, CHENG, CA
[72] ZORICAK, PETER, CA
[71] NOVA CHEMICALS (INTERNATIONAL) S.A., CH
[85] 2022-02-16
[86] 2020-09-28 (PCT/IB2020/059052)
[87] (WO2021/064546)
[30] US (62/908,738) 2019-10-01

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[51] **Int.Cl. H04W 16/28 (2009.01) H04W 72/04 (2009.01) H04W 72/12 (2009.01)**
[25] EN
[54] **TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL ET PROCEDE DE COMMUNICATION SANS FIL**
[72] MATSUMURA, YUKI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
[85] 2022-02-16
[86] 2020-08-13 (PCT/JP2020/030792)
[87] (WO2021/039423)
[30] JP (2019-158303) 2019-08-30

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[13] A1
[51] **Int.Cl. H01L 31/0224 (2006.01)**
[25] EN
[54] **SOLAR MODULE WITH METAL FOIL INTERCONNECTION OF BACK-CONTACTED PHOTOVOLTAIC CELLS**
[54] **MODULE SOLAIRE AVEC INTERCONNEXION DE FEUILLES METALLIQUES DE CELLULES PHOTOVOLTAIQUES A CONTACT ARRIERE**
[72] FISHER, KATHRYN, US
[72] HOLMAN, ZACHARY, US
[72] GAY, CHARLES, US
[72] LEVY, DAVID, US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, US
[71] UNITED STATES GOVERNMENT AS REPRESENTED BY THE U.S. DEPARTMENT OF ENERGY, US
[85] 2021-12-14
[86] 2020-06-12 (PCT/US2020/037627)
[87] (WO2020/252408)
[30] US (62/861,973) 2019-06-14

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[13] A1
[51] **Int.Cl. A61K 31/575 (2006.01) B82Y 5/00 (2011.01)**
[25] EN
[54] **MICROEMULSION DELIVERY SYSTEMS FOR ALCOHOL-SOLUBLE SPECIES INCLUDING NONDERIVATIZED HORMONES**
[54] **SYSTEMES D'ADMINISTRATION DE MICROEMULSION POUR ESPECES SOLUBLES DANS L'ALCOOL, NOTAMMENT DES HORMONES NON DERIVATISEES**
[72] SHADE, CHRISTOPHER W., US
[72] TIEU, STEVEN, US
[71] QUICKSILVER SCIENTIFIC, INC., US
[85] 2022-02-16
[86] 2020-09-04 (PCT/US2020/049442)
[87] (WO2021/046374)
[30] US (62/896,815) 2019-09-06

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[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **IMMUNOCONJUGATE SYNTHESIS METHOD**
[54] **PROCEDE DE SYNTHESE D'IMMUNOCONJUGUE**
[72] ANAND, PUNEET, US
[72] DORNAN, DAVID, US
[72] KUDIRKA, ROMAS, US
[72] LAURA, RICHARD P., US
[72] LEE, ARTHUR, US
[72] SAFINA, BRIAN, US
[72] ZHOU, MATTHEW, US
[71] BOLT BIOTHERAPEUTICS, INC., US
[85] 2022-02-16
[86] 2020-09-04 (PCT/US2020/049401)
[87] (WO2021/046347)
[30] US (62/895,801) 2019-09-04
[30] US (62/907,136) 2019-09-27

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[13] A1
[51] **Int.Cl. A23L 2/56 (2006.01) A23L 2/62 (2006.01)**
[25] EN
[54] **MICROEMULSION DELIVERY SYSTEMS FOR WATER-BASED BEVERAGES**
[54] **SYSTEMES DE DISTRIBUTION DE MICROEMULSION POUR BOISSONS A BASE D'EAU**
[72] SHADE, CHRISTOPHER W., US
[72] TIEU, STEVEN, US
[71] QUICKSILVER SCIENTIFIC, INC., US
[85] 2022-02-16
[86] 2020-09-03 (PCT/US2020/049155)
[87] (WO2021/046189)
[30] US (62/896,861) 2019-09-06

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[13] A1
[51] **Int.Cl. A61J 1/00 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/00 (2006.01) A61K 47/18 (2017.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION CONTAINING P-BORONOPHENYLALANINE AND METHOD FOR PRODUCING SAME**
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT DE LA P-BORONOPHENYLALANINE ET SON PROCEDE DE PRODUCTION**
[72] IGUCHI, YOSHIYA, JP
[72] KATAKUSE, YOSHIMITSU, JP
[72] NAKASHIMA, HIDEKI, JP
[71] STELLA PHARMA CORPORATION, JP
[85] 2022-02-16
[86] 2020-09-11 (PCT/JP2020/034391)
[87] (WO2021/049599)
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[72] AMINO, NOBUAKI, JP
[72] ARAI, YUKINORI, JP
[71] ASTELLAS PHARMA INC., JP
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[71] INTEX HOLDINGS PTY LTD, AU
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[72] LUO, CHONG, US
[72] MISHRA, BIBHU PRASAD, US
[72] LIN, MICHELLE, US
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[54] **DISPOSITIF DE NANOPOSITIONNEMENT ATOMIQUE**
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[72] PITTERS, JASON L., CA
[72] SALOMONS, MARK, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
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[71] RAYTHEON COMPANY, US
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[54] **SEUILLAGE DE ZONE DYNAMIQUE POUR SYSTEME AUTOMATIQUE DE DETECTION ET D'ALERTE DE CHANGEMENT DE SANTE DE CULTURE AGRICOLE**
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[71] FARMERS EDGE INC., CA
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[72] COX, THOMAS, GB
[71] OBRIST CLOSURES SWITZERLAND GMBH, CH
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[54] **SUSPENSIONS CONCENTREES DE METRIBUZINE ET DE DIFLUFENICANE HAUTEMENT CONCENTREES, EXEMPTES DE CRISTALLISATION**
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[71] BAYER AKTIENGESELLSCHAFT, DE
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[54] **PROCEDES DE SIGNALISATION POUR REDUIRE LA CONSOMMATION D'ENERGIE DE DISPOSITIFS SANS FIL DANS DES MODES D'ECONOMIE D'ENERGIE**
[72] CHEN, MENGZHU, CN
[72] GUO, QIUJIN, CN
[72] XU, JUN, CN
[72] WU, HAO, CN
[72] MA, XIAOYING, CN
[71] ZTE CORPORATION, CN
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[72] MORGAN, BRYAN PAUL, GB
[72] ZELEK, WIOLETA MILENA, GB
[71] UNIVERSITY COLLEGE CARDIFF CONSULTANTS LTD, GB
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[54] **DISPOSITIF DE MOUSSAGE DE LAIT ET PROCEDE DE PRODUCTION DE MOUSSE DE LAIT**
[72] KLEPZIG, SANDRO, CH
[71] JURA ELEKTROAPPARATE AG, CH
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[72] PENG, LUJIA, CN
[72] GUO, JIANYUN, CN
[72] ZHU, XIAOTING, CN
[72] ZHANG, JIANJUN, CN
[72] WEI, TINGTING, CN
[72] LIU, HUIJIE, CN
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[72] REN, YAN, CN
[71] NATIONAL INSTITUTE OF BIOLOGICAL SCIENCES, BEIJING, CN
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[54] **TOLE D'ACIER ELECTRIQUE NON ORIENTEE ET SON PROCEDE DE FABRICATION**
[72] CHU, SHUANGJIE, CN
[72] LI, GUOBAO, CN
[72] ZHANG, FENG, CN
[72] WANG, ZHICHENG, CN
[72] SHEN, KANYI, CN
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[54] **PROTEINES DE LIAISON CR2 ET LEUR UTILISATION EN THERAPIE MEDICALE**
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[72] BOUMA, GERBEN, GB
[72] BURDEN, MICHAEL NEIL, GB
[72] DIMECH, CAROLINE J, GB
[72] DIXON, DAVID, GB
[72] DOS SANTOS CRUZ DE MANTOS, GABRIELA, GB
[72] ELLSON, CHRISTIAN, GB
[72] HOOK, LAURA J, GB
[72] KITCHEN, SEMRA, GB
[72] LEKOVA, ELEONORA, GB
[72] MADURA, EMILIE, GB
[72] NISTALA, KIRAN, GB
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[54] **GRANULES CHARGES, LEUR PROCEDE DE PRODUCTION ET LEURS UTILISATIONS**
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[71] SAKSO, FR
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[54] **MELANGEUR THERMOCINETIQUE POUR MELANGER A L'ETAT FONDU DES DECHETS DE PLASTIQUE**
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[72] WEIBEL, ANDRE, CH
[72] WEBER, STEFAN, CH
[71] INVENTIO AG, CH
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[54] **DISPOSITIF POUR FOURNIR DE L'ENERGIE SANS INTERRUPTION, COMPRENANT UN MOYEN DE STOCKAGE D'ENERGIE ET UNE MACHINE ELECTRIQUE TOURNANTE**
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[72] KLAUENBERG, ARMIN, DE
[71] PILLER GROUP GMBH, DE
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[72] SEGURA TEJEDOR, JORDI, ES
[71] BELLA AURORA LABS, S.A., ES
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[54] **PROCEDE DE FONCTIONNEMENT DE CAPTEUR DE GAZ D'ECHAPPEMENT**
[72] WELKE, DOROTHEA, DE
[72] GUENTHER, FELIX, DE
[72] MARKS, MANUEL, DE
[72] THIELE, MAIK, DE
[72] KLENK, MATHIAS, DE
[72] BESSEN, MICHAEL, DE
[71] ROBERT BOSCH GMBH, DE
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[54] **ANTAGONISTES DU RECEPTEUR EP4 DE LA PROSTAGLANDINE E2 (PGE2)**
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[72] DORANGE, ISMET, FR
[72] HOMMET, GAEL, FR
[72] MANTEAU, BAPTISTE, FR
[72] MAYER, STANISLAS, FR
[72] SCHANN, STEPHAN, FR
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[54] **ELAGUEUR ELECTRIQUE SUR PERCHE**
[72] LINDEN, OLAVI, FI
[72] LINDEN, JAN, FI
[71] FISKARS FINLAND OY AB, FI
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[54] **TECHNOLOGIE DE VERROUILLAGE NUMERIQUE MOBILE**
[72] PUKARI, MIKA, FI
[71] ILOQ OY, FI
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[54] **FORMULATIONS POUR LA PREVENTION OU LA REDUCTION D'INFECTIONS A C. DIFFICILE**
[72] CUTTING, SIMON, GB
[71] SPOREGEN LIMITD, GB
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[72] GERVAIS, DAVID, GB
[71] PORTON BIOPHARMA LIMITED, GB
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[54] **ADHESIVE TAPES AND METHODS OF USE IN CONSTRUCTION**
[54] **RUBANS ADHESIFS ET PROCEDES D'UTILISATION DANS LA CONSTRUCTION**
[72] BERGMAN, JAMES A., US
[72] LEWANDOWSKI, KEVIN M., US
[72] GUNDALE, JEREMY P., US
[72] TRAN, THU-VAN T., US
[72] RICHARDSON, JENNA L., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
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[54] **MATERIALS AND METHODS OF MANUFACTURE**
[54] **MATERIAUX ET PROCEDES DE FABRICATION**
[72] PARTRIDGE, ASHTON CYRIL, NZ
[72] HOSSEINI, ALI, NZ
[72] HAYNES, ANDREW LEO, NZ
[71] MANUFACTURING SYSTEMS LIMITED, NZ
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[54] **SYSTEMS AND METHODS FOR USE IN AUTHENTICATING USERS BASED ON VEHICLE PROFILES**
[54] **SYSTEMES ET PROCEDES DESTINES A ETRE UTILISES DANS L'AUTHENTIFICATION D'UTILISATEURS EN FONCTION DE PROFILS DE VEHICULE**
[72] KURYLKO, MAREK, US
[72] REDA, EUGENE, US
[72] HAYES, JOSEPH, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
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[54] **SYSTEMS AND METHODS FOR IN-APPLICATION DYNAMIC CONTENT LOADING**
[54] **SYSTEMES ET PROCEDES DE CHARGEMENT DE CONTENU DYNAMIQUE DANS L'APPLICATION**
[72] NGUYEN, JON, US
[72] KRAUS, DANIEL, US
[72] TOURTELLOTT, BRIAN, US
[72] ROWE, JASON, US
[71] DRAFTKINGS, INC., US
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[54] **STABILIZED MODE SPLITTING FIN SENSOR**
[54] **CAPTEUR D'AILETTE FENDUE A MODE STABILISE**
[72] SCHLOSSER, MARTIN ANDREW, US
[72] SCHOLLENBERGER, FREDERICK SCOTT, US
[72] WEINSTEIN, JOEL, US
[71] MICRO MOTION, INC., US
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[54] **POLYMER MATERIAL AND METHOD FOR PRODUCING SAME**
[54] **MATERIAU POLYMERE ET PROCEDE DE PRODUCTION**
[72] RASTORGUEV, DMITRII SERGEEVICH, RU
[72] NIKITENKO, SERGEI SERGEEVICH, RU
[72] TSIRKULEV, MIKHAIL VALEREVICH, RU
[71] FORPET S.A.R.L., LU
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[54] **FORMULATIONS FOR USE IN THE PREVENTION AND/OR TREATMENT OF PERIPHERAL NEUROPATHY AND ITS ASSOCIATED DISEASES.**
[54] **FORMULATIONS DESTINEES A ETRE UTILISEE DANS LA PREVENTION ET/OU LE TRAITEMENT DE NEUROPATHIE PERIPHERIQUE ET SES MALADIES ASSOCIEES**
[72] LOH, YIN SZE, SG
[71] LOH, YIN SZE, SG
[85] 2022-02-16
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[54] **INSULATABLE, INSULATIVE FRAMEWORK APPARATUS AND METHODS OF MAKING AND USING SAME**
[54] **APPAREIL A OSSATURE D'ISOLATION ISOLABLE ET PROCEDES DE FABRICATION ET D'UTILISATION DE CELUI-CI**
[72] WRIGHT, JOHN DAVID, US
[71] WRIGHT, JOHN DAVID, US
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[54] **BIOSYNTHESIS OF CANNABINOIDS AND CANNABINOID PRECURSORS**
[54] **BIOSYNTHESE DE CANNABINOIDES ET DE PRECURSEURS DE CANNABINOIDES**
[72] ANDERSON, KIM CECELIA, US
[72] CARLIN, DYLAN ALEXANDER, US
[72] FLORES, NICHOLAS, US
[72] FORREST, KATRINA, US
[72] PRATHURI, RAMYA L., US
[72] RODRIGUEZ, GABRIEL, US
[72] SPENCER, MICHELLE, US
[71] GINKGO BIOWORKS, INC., US
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[54] **INTERCELLULAR ADHESION MOLECULE 1 (ICAM1) ANTIBODY DRUG CONJUGATE AND USES THEREOF**
[54] **CONJUGUE MEDICAMENT-ANTICORPS DE MOLECULE D'ADHESION INTERCELLULAIRE 1 (ICAM1) ET SES UTILISATIONS**
[72] MOSES, MARSHA A., US
[72] HUANG, JING, US
[72] GUO, PENG, US
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US
[85] 2022-02-16
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[54] **RESEALBLE BAG, PACKAGED FOOD PRODUCT AND METHOD OF PRODUCING A RESEALABLE BAG**
[54] **SAC REFERMABLE, PRODUIT ALIMENTAIRE EMBALLE ET PROCEDE DE PRODUCTION D'UN SAC REFERMABLE**
[72] BOGDANOV, EMIL, US
[72] BROSCH, MYCHAL BARRETT, US
[71] GENERAL MILLS, INC., US
[85] 2022-02-17
[86] 2020-05-05 (PCT/US2020/031413)
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[54] **REDUCED CALORIE FOOD PRODUCT AND METHODS OF MAKING**
[54] **PRODUIT ALIMENTAIRE A TENEUR REDUITE EN CALORIES ET PROCEDES DE PREPARATION**
[72] CASASNOVAS, JOHNNY, US
[72] CHUNG, YONGSOO, US
[72] GONZALEZ, JUAN, US
[72] HAVLIK, STEVEN, US
[72] MATHEWS, JEFFREY D., US
[72] YI, TAEHYUNG, US
[71] TROPICANA PRODUCTS, INC., US
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[54] **IMPROVED SOLID-STATE MAGNESIUM ION SELECTIVE MICROELECTRODE AND METHODS OF PRODUCTION AND USE THEREOF**
[54] **MICROELECTRODE SELECTIVE AMELIOREE POUR IONS MAGNESIUM A L'ETAT SOLIDE ET PROCEDES POUR SA PRODUCTION ET SON UTILISATION**
[72] ZHANG, WEI, US
[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2022-02-17
[86] 2020-08-17 (PCT/US2020/046590)
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[54] **BOOM FOR AN AGRICULTUAL CROP SPRAYER AND METHOD OF MANUFACTURE**
[54] **RAMPE POUR PULVERISATEUR AGRICOLE ET SON PROCEDE DE FABRICATION**
[72] SOLIMAN, MARCOS PEDROLO, BR
[71] AGCO DO BRASIL SOLUCOES AGRICOLAS LTDA, BR
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[54] **AUTOMATED PATH-BASED RECOMMENDATION FOR RISK MITIGATION**
[54] **RECOMMANDATION AUTOMATISEE BASEE SUR UN TRAJET POUR L'ATTENUATION DES RISQUES**
[72] MILLER, STEPHEN, US
[72] JORDAN, LEWIS, US
[72] TURNER, MATTHEW, US
[72] DAY, MARK, US
[72] JOSHUA, ALLAN, US
[71] EQUIFAX INC., US
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[54] **PROGRESSIVE LENS FLEXIBLE FILM AND METHOD OF MANUFACTURE THEREOF**
[54] **FILM SOUPLE DE LENTILLE PROGRESSIVE ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] KATZMAN, DAN, IL
[72] ENGLER, HAIM, IL
[71] ADDON OPTICS LTD., IL
[85] 2022-02-17
[86] 2020-09-22 (PCT/IB2020/058844)
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[54] **COMPOSITIONS AND METHODS FOR CONTROLLING PLANT GROWTH**
[54] **COMPOSITIONS ET PROCEDES POUR LA REGULATION DE LA CROISSANCE DE PLANTES**
[72] SHALITIN, DROR, IL
[72] GRIMBERG, NOAM, IL
[71] PLANTARC BIO LTD., IL
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[54] **PARTICULATE MATTER DETECTION DEVICE**
[54] **DISPOSITIF DE DETECTION DE MATIERE PARTICULAIRE**
[72] BOORTZ, CHRISTOPHER LEE, US
[72] MATTHEWS, JACK, US
[72] HUSSAIN, SHAHBAZ, US
[71] BOORTZ, CHRISTOPHER LEE, US
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[54] **MICRO-OPTIC SECURITY DEVICE WITH ZONES OF COLOR**
[54] **DISPOSITIF DE SECURITE MICRO-OPTIQUE A ZONES DE COULEUR**
[72] CAPE, SAMUEL, US
[72] GOSNELL, JONATHAN D., US
[72] BLEIMAN, BENJAMIN E., US
[72] COWAN, JENNIFER, US
[72] PEARSON, NICHOLAS G., US
[72] TOOLE, RYAN, US
[71] CRANE & CO., INC., US
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[54] **RAILCAR HATCH COVER**
[54] **COUVERCLE DE TRAPPE DE VEHICULE FERROVIAIRE**
[72] RAMASUNDARAM, BHARANIKUMAR, US
[72] TALLEY, JAMES, US
[72] RAINONE, MICHAEL, US
[72] SCHLAU, CALVIN, US
[72] NEHLS, CALEB, US
[71] FREIGHTLUCID, LLC, US
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[54] **TRUE VAPOR PRESSURE AND FLASHING DETECTION APPARATUS AND RELATED METHOD**
[54] **APPAREIL DE DETECTION DE PRESSION DE VAPEUR REELLE ET DE VAPORISATION INSTANTANEE ET PROCEDE ASSOCIE**
[72] HOLLINGSWORTH, JUSTIN CRAIG, US
[71] MICRO MOTION, INC., US
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[54] **MODIFICATION OF PLANT MESSENGER PACKS WITH CHARGED LIPIDS**
[54] **MODIFICATION DE PAQUETS DE MESSAGERIE VEGETALE AVEC DES LIPIDES CHARGES**
[72] VAN ROOIJEN, MARIA HELENA CHRISTINE, US
[72] TAM, HOK HEI, US
[72] AMADO, MAIER STEVE AVENDANO, US
[72] MARTIN, BARRY ANDREW, US
[72] MARTINEZ, IGNACIO, US
[72] KOWALSKI, PIOTR STANISLAW, IE
[72] NUKOLOVA, NATALIYA VLADIMIROVNA, US
[72] CASEY, JOHN PATRICK, JR., US
[72] PATEL, SIDDHARTH, US
[72] BOGORAD, ROMAN LVOVITCH, US
[71] FLAGSHIP PIONEERING INNOVATIONS VI, LLC, US
[85] 2022-02-17
[86] 2020-08-24 (PCT/US2020/047606)
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[54] **COMBINATION CANCER THERAPY AND CYTOKINE CONTROL THERAPY FOR CANCER TREATMENT**
[54] **ASSOCIATION D'UNE CANCEROTHERAPIE ET D'UNE THERAPIE DE CONTROLE DES CYTOKINES POUR LE TRAITEMENT DU CANCER**
[72] NOVIK, SHAI, IL
[72] MEVORACH, DROR, IL
[71] ENLIVEX THERAPEUTICS RDO LTD, IL
[85] 2022-02-17
[86] 2020-09-16 (PCT/IL2020/051011)
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[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/113 (2010.01) A61P 21/00 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **SKELETAL MYOBLAST PROGENITOR CELL LINEAGE SPECIFICATION BY CRISPR/CAS9-BASED TRANSCRIPTIONAL ACTIVATORS**
[54] **SPECIFICATION DE LIGNEE CELLULAIRES PROGENITRICES DE MYOBLASTES SQUELETTIQUES PAR DES ACTIVATEURS TRANSCRIPTIONNELS A BASE DE CRISPR/CAS9**
[72] GERSBACH, CHARLES A., US
[72] KWON, JENNIFER, US
[71] DUKE UNIVERSITY, US
[85] 2022-02-17
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[87] (WO2021/034984)
[30] US (62/888,916) 2019-08-19
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[51] **Int.Cl. G01N 21/00 (2006.01)**
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[54] **METHODS AND SYSTEMS FOR DROPLET MANIPULATION**
[54] **PROCEDES ET SYSTEMES DE MANIPULATION DE GOUTTELETTES**
[72] MASTERS, LIAM, US
[72] UMAPATHI, UDAYAN, US
[72] AKKI, SPURTI, US
[72] SOUMILLON, MAGALI, US
[72] LANGFORD, WILLIAM, US
[72] KRASNOBAEV, LEONID, US
[71] VOLTA LABS, INC., US
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[30] US (62/892,495) 2019-08-27
[30] US (62/980,013) 2020-02-21
[30] US (63/005,097) 2020-04-03
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[54] **METHOD FOR ENRICHING CARDIAC MYOCYTES**
[54] **PROCEDE D'ENRICHISSEMENT DE MYOCYTES CARDIAQUES**
[72] YOSHIDA, YOSHINORI, JP
[72] MIKI, KENJI, JP
[72] KOAKUTSU, MISATO, JP
[71] ORIZURU THERAPEUTICS, INC., JP
[85] 2022-02-17
[86] 2020-08-19 (PCT/JP2020/031194)
[87] (WO2021/033699)
[30] JP (2019-150593) 2019-08-20
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[51] **Int.Cl. B32B 7/12 (2006.01) B32B 15/085 (2006.01) B32B 27/32 (2006.01) B32B 27/38 (2006.01) B65D 65/40 (2006.01)**
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[54] **PACKAGING MATERIAL**
[54] **MATERIAU DE CONDITIONNEMENT**
[72] SATO, YOICHI, JP
[72] MORIYASU, KAZUKI, JP
[72] UEDA, ERI, JP
[72] SANO, TAKAAKI, JP
[71] SAKATA INX CORP., JP
[85] 2022-02-17
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[25] EN
[54] **HETEROCYCLIC PYRAZOLE DERIVATIVES AS TYPE III RECEPTOR TYROSINE KINASE INHIBITORS**
[54] **DERIVES DE PYRAZOLE HETEROCYCLIQUE EN TANT QU'INHIBITEURS DE TYROSINE KINASE DU RECEPTEUR DE TYPE III**
[72] PENG, SHAO-ZHENG, TW
[72] LIAO, CHU-BIN, TW
[72] HUANG, HUNG-JYUN, TW
[72] CHO, YUAN-TING, TW
[72] CHANG, YI-MEI, TW
[72] PAN, YU-CHIH, TW
[71] DEVELOPMENT CENTER FOR BIOTECHNOLOGY, CN
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[54] **CONCENTRATED 2 IN 1 DISHMACHINE DETERGENT AND RINSE AID**
[54] **DETERGENT ET PRODUIT DE RINCAGE CONCENTRE 2-EN-1 POUR LAVE-VAISSELLE**
[72] LUNDBERG, STEVEN, US
[72] ROERDINK LANDER, MONIQUE, US
[71] ECOLAB USA INC., US
[85] 2022-02-17
[86] 2020-09-25 (PCT/US2020/052700)
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[30] US (62/906,781) 2019-09-27

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[51] **Int.Cl. A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01) C07D 471/04 (2006.01) C07D 471/10 (2006.01) C07D 487/04 (2006.01) C07D 487/10 (2006.01)**
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[54] **CEREBLON E3 LIGASE INHIBITORS**
[54] **INHIBITEURS DE LIGASE E3 CEREBLON**
[72] WANG, SHAOMENG, US
[72] XU, TIANFENG, US
[72] WANG, MINGLIANG, US
[72] HU, JIANTAO, US
[72] HAN, XIN, US
[72] XIANG, WEIGUO, US
[72] REJ, ROHAN, US
[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
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[30] US (62/892,144) 2019-08-27
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[13] A1
[51] **Int.Cl. A01J 9/04 (2006.01) B65D 90/48 (2006.01)**
[25] EN
[54] **TRANSPORT METHOD AND TRANSPORT DEVICE FOR HIGH-QUALITY FRESH MILK UNDER TRANSPORT- AND ENVIRONMENT-CRITICAL CONDITIONS**
[54] **PROCEDE DE TRANSPORT ET DISPOSITIF DE TRANSPORT POUR LAIT FRAIS DE QUALITE SUPERIEURE DANS DES CONDITIONS CRITIQUES EN TERMES DE TRANSPORT ET D'ENVIRONNEMENT**
[72] ROLLE, ULRICH, DE
[72] STANGE, ROLAND, DE
[72] TACKE, LUDGER, DE
[72] LEAL GARCIA, MARIA CARMEN, DE
[71] GEA TDS GMBH, DE
[71] ORIENTAL TANKS PTE LTD, SG
[85] 2022-02-18
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[87] (WO2021/037324)

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[51] **Int.Cl. A61B 5/107 (2006.01) G06T 19/00 (2011.01) G16H 20/30 (2018.01) A41H 1/00 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR FITTING COMPRESSION GARMENTS FROM DIGITAL IMAGERY**
[54] **PROCEDES ET SYSTEMES POUR AJUSTER DES VETEMENTS DE COMPRESSION A PARTIR D'UNE IMAGERIE NUMERIQUE**
[72] WEILER, MICHAEL J., US
[72] FRANK, NATHAN DANIEL, US
[71] WEILER, MICHAEL J., US
[71] FRANK, NATHAN DANIEL, US
[85] 2022-02-17
[86] 2020-08-31 (PCT/US2020/048732)
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[30] US (16/558,074) 2019-08-31

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[54] **SYSTEMES DE LOCALISATION DE DECHARGE D'ARME A FEU ET PROCEDES ASSOCIES**
[72] GONZALEZ, ERIC G., US
[72] HUGHES, MICHAEL S., US
[72] SINKOV, ANTON S., US
[72] SKORPIK, JAMES R., US
[71] BATTELLE MEMORIAL INSTITUTE, US
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[54] **USAGE OF ACCESS UNIT DELIMITERS AND ADAPTATION PARAMETER SETS**
[54] **UTILISATION DE DELIMITEURS D'UNITE D'ACCES ET D'ENSEMBLES DE PARAMETRES D'ADAPTATION**
[72] SANCHEZ DE LA FUENTE, YAGO, DE
[72] SUHRING, KARSTEN, DE
[72] HELLGE, CORNELIUS, DE
[72] SCHIERL, THOMAS, DE
[72] SKUPIN, ROBERT, DE
[72] WIEGAND, THOMAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[54] **SALT**
[54] **SEL**
[72] KOKUBO, YASUSHI, JP
[72] YAMAMOTO, TOSHITAKA, JP
[72] NAKAMICHI, KOJI, JP
[72] CROCCO, DOMENICO, GB
[71] NIPPON SHINYAKU CO., LTD., JP
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[54] **GRAFTED POLYVINYL ALCOHOL POLYMER, FORMULATIONS CONTAINING THE SAME, AND CREPING METHODS**
[54] **POLYMERE D'ALCOOL POLYVINYLIQUE GREFFE, FORMULATIONS LES CONTENANT ET PROCEDES DE CREPAGE**
[72] MOUSTAFA, AHMED, US
[72] GLOVER, DANIEL, US
[71] BUCKMAN LABORATORIES INTERNATIONAL, INC., US
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[54] **METHOD AND DEVICE FOR PRE-SELECTING AND DETERMINING SIMILAR DOCUMENTS**
[54] **PROCEDE ET DISPOSITIF DE PRESELECTION ET DE DETERMINATION DE DOCUMENTS SIMILAIRES**
[72] HOPPE, THOMAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[54] **MICROEMULSION DELIVERY SYSTEMS FOR CANNABIS EXTRACTS AND TERPENES**
[54] **SYSTEMES D'ADMINISTRATION DE MICROEMULSION POUR DES EXTRAITS DE CANNABIS ET DES TERPENES**
[72] SHADE, CHRISTOPHER W., US
[72] TIEU, STEVEN, US
[71] QUICKSILVER SCIENTIFIC, INC., US
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[54] **SYNERGISTIC HPPD MIXTURES**
[54] **MELANGES DE HPPD SYNERGIQUES**
[72] HORSFIELD, ANDREW, AU
[72] ADDISON, BEVAN, AU
[71] ADAMA AUSTRALIA PTY LTD, AU
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[54] **COMPOSITIONS AND METHODS FOR TREATING EXTENSIVE STAGE SMALL CELL LUNG CANCER (ES-SCLC)**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DU CANCER DU POUMON A PETITES CELLULES A UN STADE AVANCE (ES-SCLC)**
[72] JIANG, HAIYI, US
[72] HUANG, YIFAN, US
[72] DENNIS, PHILLIP, US
[72] SHIRE, NORAH, US
[72] ARMSTRONG, JON, GB
[71] ASTRAZENECA AB, SE
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[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING A VIDEO**
[54] **SYSTEME ET PROCEDE DE GENERATION D'UNE VIDEO**
[72] LOPEZ, CAMILO, US
[71] LOPEZ, CAMILO, US
[85] 2022-02-17
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[25] EN
[54] **APPARATUS AND METHOD FOR COINJECTION OF A MULTILAYER MOLDED ARTICLE WITH A SEGMENTED INTERNAL LAYER**
[54] **APPAREIL ET PROCEDE DE CO-INJECTION D'ARTICLE MOULE MULTICOUCHE A COUCHE INTERNE SEGMENTEE**
[72] JAIDKA, DAMISH, CA
[71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[85] 2022-02-18
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[25] EN
[54] **ACTIVATED CARBON FIBER SHEET FOR MOTOR VEHICLE CANISTER**
[54] **FEUILLE DE FIBRES DE CARBONE ACTIVE DE CARTOUCHE D'AUTOMOBILE**
[72] IMAI, DAISUKE, JP
[72] WATANABE, YOSHIHIDE, JP
[72] TAKATA, YUU, JP
[72] OZAWA, SHUNSUKE, JP
[72] YOSHIDA, CHIE, JP
[71] NIPPON PAPER INDUSTRIES CO., LTD., JP
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[54] **ENSEMBLE NETTOYEUR DE TUYAU**
[72] BRUCE, HOWARD D., AU
[71] AUTOMATION ASSOCIATES PTY LTD, AU
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[54] **METHODS OF MODIFYING A LIQUID SAMPLE CONTAINING AN ANALYTE SO AS TO INCREASE SERS SIGNAL INTENSITY OF THE ANALYTE, AS WELL AS A PROBE FOR REMOTE SENSING OF AN ANALYTE USING SERS**
[54] **PROCEDES DE MODIFICATION D'UN ECHANTILLON LIQUIDE CONTENANT UN ANALYTE DE FACON A AUGMENTER L'INTENSITE DU SIGNAL SERS DE L'ANALYTE, AINSI QU'UNE SONDE POUR LA DETECTION A DISTANC E D'UN ANALYTE A L'AIDE DE SERS**
[72] ZHANG, XU, CA
[72] NGANOU ASSONKENG, ALBERT COLLINS, CA
[72] CARRIER, ANDREW JAMES, CA
[71] CAPE BRETON UNIVERSITY, CA
[85] 2022-02-18
[86] 2020-08-21 (PCT/CA2020/051143)
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[25] EN
[54] **MONOCYCLIC AGONISTS OF STIMULATOR OF INTERFERON GENES STING**
[54] **AGONISTES MONOCYCLIQUES DU STIMULATEUR DE LA PROTEINE STING**
[72] PETRASSI, HANK MICHAEL JAMES, US
[72] YU, CHENGUANG, US
[72] WANG, JIE, CN
[72] CHATTERJEE, ARNAB K., US
[72] ALBERO, ANA MARIA GAMO, US
[72] GUPTA, ANIL, US
[72] TAMIYA, JUNKO, US
[72] SCHULTZ, PETER G., US
[72] JOHNSON, KRISTEN, US
[72] CHU, ALAN, US
[72] CHIN, EMILY, US
[72] LAIRSON, LUKE L., US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2022-02-17
[86] 2020-08-21 (PCT/US2020/070443)
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[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UN INHIBITEUR D'HDAC ET UN ANTICORPS ANTI-PD1 OU UN ANTICORPS ANTI PD-L1**
[72] KIM, YOUNG-DAE, KR
[72] CHO, JOONG MYUNG, KR
[71] CRYSTALGENOMICS, INC., KR
[85] 2022-02-17
[86] 2020-07-30 (PCT/KR2020/010059)
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[25] EN
[54] **INTERIOR POSITIONING SYSTEM FOR TRACKING COMMUNICATION DEVICES WITHIN A REMOTE LOCATION, AND METHOD THEREFORE**
[54] **SYSTEME DE POSITIONNEMENT INTERIEUR POUR LE SUIVI DE DISPOSITIFS DE COMMUNICATION A L'INTERIEUR D'UN EMPLACEMENT ELOIGNE, ET PROCEDE ASSOCIE**
[72] L'HEUREUX, ERIC, CA
[72] LEVEILLEE, ALEX, CA
[71] SOLUTIONS AMBRA INC., CA
[85] 2022-02-18
[86] 2020-09-01 (PCT/CA2020/051193)
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[25] EN
[54] **A MEDICAL DEVICE**
[54] **DISPOSITIF MEDICAL**
[72] NORD, DAG, NO
[72] BRACKMANN, STEPHAN ANDREAS, NO
[72] WALDO-JENSEN, LARS PETTER, NP
[72] ROSETH, ARNE, NO
[72] HJALLUM, PREBEN RENE, NO
[72] PETERSEN, ERIK PAVELS, NO
[71] MEDEVICE AS, NO
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[86] 2019-09-10 (PCT/NO2019/050180)
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[54] **BICYCLIC AGONISTS OF STIMULATOR OF INTERFERON GENES STING**
[54] **AGONISTES BICYCLIQUES DU SIMULATEUR DE GENES D'INTERFERON (STING)**
[72] PETRASSI, HANK MICHAEL JAMES, US
[72] YU, CHENGUANG, US
[72] WANG, JIE, CN
[72] CHATTERJEE, ARNAB K., US
[72] SCHULTZ, PETER G., US
[72] JOHNSON, KRISTEN, US
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[72] CHIN, EMILY, US
[72] LAIRSON, LUKE L., US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
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[51] **Int.Cl. B01D 21/28 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR RECOVERY OF MAGNETITE AND MAGNETITE BEARING ELEMENTS FROM A SLURRY**
[54] **PROCEDE ET APPAREIL DE RECUPERATION DE MAGNETITE ET D'ELEMENTS SUPPORTANT DE LA MAGNETITE A PARTIR D'UNE SUSPENSION**
[72] MILES, DAVID ROGER, CA
[72] WATSON, PETER THOMAS, CA
[71] DRP VENTURES INC., CA
[85] 2022-02-18
[86] 2020-07-20 (PCT/CA2020/050999)
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[54] **A SYSTEM FOR RETRIEVAL OF OBJECTS LOST IN WATER**
[54] **SYSTEME DE RECUPERATION D'OBJETS PERDUS DANS L'EAU**
[72] MAGNUSSON, CHRISTIAN, SE
[71] CMAR AB, SE
[85] 2022-02-17
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[25] EN
[54] **PHOTOSENSITIZER-CONJUGATED ANTIMICROBIAL CELLULOSE NANOCRYSTALS AND METHODS OF SYNTHESIZING AND USING SAME**
[54] **NANOCRISTAUX DE CELLULOSE ANTIMICROBIENS CONJUGUES A UN PHOTOSENSIBILISATEUR ET LEURS PROCEDES DE SYNTHESE ET D'UTILISATION**
[72] GROIZELEAU, JULIE, CA
[72] HEYNE, BELINDA, CA
[72] PRESS, DAVID J., CA
[72] SUTHERLAND, TODD C., CA
[72] TAKADA, ADRIEN JORDAN COOPER, CA
[72] HARRISON, JOE, CA
[71] HNU MATERIALS INC., CA
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[86] 2020-08-26 (PCT/CA2020/051163)
[87] (WO2021/035349)
[30] US (62/894,347) 2019-08-30

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[25] EN
[54] **METHOD FOR SEQUENCING POLYNUCLEOTIDES BASED ON OPTICAL SIGNAL KYNETICS OF LUMINESCENT LABELS AND SECONDARY LUMINESCENT SIGNALS**
[54] **PROCEDE DE SEQUENCAGE DE POLYNUCLEOTIDES SUR LA BASE DE LA DYNAMIQUE DE SIGNAL OPTIQUE D'UN MARQUEUR LUMINESCENT ET D'UN SIGNAL LUMINESCENT SECONDAIRE**
[72] CHEN, XI, CN
[72] LIAO, SHA, CN
[72] ZHANG, WENWEI, CN
[72] CHEN, AO, CN
[72] ZHAO, JIE, CN
[71] EGI TECH (SHEN ZHEN) CO., LIMITED, CN
[85] 2022-02-18
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[25] EN
[54] **LITHIUM ION BATTERY FOR POWER TOOLS**
[54] **BATTERIE AU LITHIUM-ION POUR OUTILS ELECTRIQUES**
[72] SUBRAMANIAN, ADITYA, CN
[72] FAUTEUX, DENIS GASTON, CN
[71] TECHTRONIC CORDLESS GP, US
[85] 2022-02-18
[86] 2020-05-27 (PCT/CN2020/092598)
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[51] **Int.Cl. A47C 7/44 (2006.01)**
[25] EN
[54] **CHAIR**
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[72] BALLENDAT, MARTIN, AT
[71] VIASIT BUROSITZMOBEL GMBH, DE
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[30] DE (10 2019 122 164.1) 2019-08-19

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[51] **Int.Cl. A61K 31/343 (2006.01) A61K 31/4162 (2006.01) A61K 31/55 (2006.01) A61P 1/04 (2006.01) A61P 1/16 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01) A61P 9/10 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 25/28 (2006.01) A61P 37/00 (2006.01) A61P 37/06 (2006.01) C07C 311/56 (2006.01) C07D 307/82 (2006.01) C07D 333/62 (2006.01) C07D 491/04 (2006.01)**
[25] EN
[54] **N-((1,2,3,5,6,7-HEXAHYDRO-S-INDACEN-4-YL)CARBAMOYL)-4,5,6,7-TETRAHYDROBENZOFURAN -2-SULFONAMIDE DERIVATIVES AND RELATED COMPOUNDS AS NLPR3 MODULATORS FOR THE TREATMENT OF MULTIPLE SCLEROSIS (MS)**
[54] **DERIVES DE N-((1,2,3,5,6,7-HEXAHYDRO-S-INDACEN-4-YL)CARBAMOYL)-4,5,6,7-TETRAHYDROBENZOFURAN -2-SULFONAMIDE ET COMPOSES APPARENTES EN TANT QUE MODULATEURS DE NLPR3 POUR LE TRAITEME NT DE LA SCLEROSE EN PLAQUES (SEP)**
[72] MOHAN, RAJU, US
[72] NUSS, JOHN, US
[72] HARRIS, JASON, US
[72] YUAN, SHENDONG, US
[71] ZOMAGEN BIOSCIENCES LTD, US
[85] 2022-01-14
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[30] US (62/875,402) 2019-07-17

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[51] **Int.Cl. B62D 21/18 (2006.01) B62D 9/00 (2006.01) B62D 61/10 (2006.01) B62D 63/02 (2006.01)**
[25] EN
[54] **DRIVERLESS TRANSPORT SYSTEM**
[54] **SYSTEME DE TRANSPORT SANS CHAUFFEUR**
[72] GARTNER, MARKUS, AT
[72] HOLLER, FRANZ, AT
[72] KRAINER, GOTTFRIED, AT
[72] WIELAND, CHRISTIAN, AT
[72] WIENER, VALENTIN, AT
[72] FRISSENBICHLER, WERNER JOSEF, AT
[71] FB INDUSTRY AUTOMATION GMBH, AT
[71] FRISSENBICHLER GESMBH, AT
[85] 2022-03-08
[86] 2020-07-23 (PCT/EP2020/070885)
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[25] EN
[54] **HIGH-THROUGHPUT AND HIGH-PRECISCION PHARMACEUTICAL ADDITIVE MANUFACTURING SYSTEM**
[54] **SYSTEME DE FABRICATION D'ADDITIF PHARMACEUTIQUE A HAUT RENDEMENT ET A HAUTE PRECISION**
[72] LIU, HAILI, CN
[72] DENG, FEIHUANG, CN
[72] WU, WEI, CN
[72] LI, RENJIE, CN
[72] CHENG, SENPING, CN
[72] LI, XIAOLING, US
[71] TRIASTEK, INC., CN
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[54] **GLYCOL BASED HEAT-TRANSFER FLUID COMPRISING ORGANIC CARBOXYLIC ACID OR SALT THEREOF, METHODS FOR ITS PREPARATIONS AND USES THEREOF**
[54] **FLUIDE CALOPORTEUR A BASE DE GLYCOL COMPRENANT UN ACIDE CARBOXYLIQUE ORGANIQUE OU UN SEL CORRESPONDANT, DES PROCEDES POUR SA PREPARATION ET UTILISATIONS CORRESPONDANTES**
[72] DE KIMPE, JURGEN P., BE
[72] LIEVENS, SERGE, BE
[71] ARTECO NV, BE
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[54] **METHOD FOR SCREENING LIBRARIES**
[54] **PROCEDE DE CRIBLAGE DE BIBLIOTHEQUES**
[72] DORR, BRENT, US
[72] SCAVELLO, GENARO, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
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[54] **ANTENNE GNSS MULTIFONCTIONNELLE**
[72] ZHANG, CHUANG, CN
[72] ZHANG, JIE, CN
[72] WANG, XIAOHUI, CN
[71] HARXON CORPORATION, CN
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[54] **EYEGLASSES FOR RETARDING THE PROGRESSION OF MYOPIA**
[54] **LUNETTES EMPECHANT LA PROGRESSION DE LA MYOPIE**
[72] LAU, CHUN HO, CN
[72] LAU, CHUN PUT, CN
[71] LAU, CHUN HO, CN
[71] LAU, CHUN PUT, CN
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[25] EN
[54] **QUICK CONNECTOR AND CONNECTION ASSEMBLY HAVING IMPROVED SEALING-RING LOCKING**
[54] **RACCORD RAPIDE ET ENSEMBLE DE RACCORDEMENT AYANT UN VERROUILLAGE DE BAGUE D'ETANCHEITE AMELIORE**
[72] GALLOU, CEDRIC, FR
[71] NORMA GERMANY GMBH, DE
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[54] **METHOD FOR SEPARATING XYLOSE AND LIGNIN FROM MISCELLANEOUS SUGAR LIQUID**
[54] **PROCEDE DE SEPARATION DE XYLOSE ET DE LIGNINE D'UNE SOLUTION DE SUCRE MIXTE**
[72] JIANG, CHENGZHEN, CN
[72] GAO, SHAOFENG, CN
[72] SHI, FENG, CN
[71] HEALTANG BIOTECH CO., LTD., CN
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[54] **PROCECE D'ENREGISTREMENT GLOBAL UNIFIE ET IDENTIFICATION UNIVERSELLE DE PRODUITS D'ORIGINE BIOLOGIQUE DESTINES A DES FINS MEDICINALES**
[72] LATORRE LOPEZ, FERNANDO, ES
[72] SALA CANO, NURIA, ES
[71] CONNECTING SOLUTION & APPLICATIONS LTD., CA
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[54] **PACEMAKER DEVICE**
[54] **DISPOSITIF DE STIMULATEUR CARDIAQUE**
[72] NOGARET, ALAIN, GB
[72] PATON, JULIAN, GB
[72] CURZONS, PAUL, GB
[72] CHAUHAN, ASHOK SINGH, GB
[71] CERYX MEDICAL LIMITED, GB
[71] THE UNIVERSITY OF BATH, GB
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[86] 2020-09-08 (PCT/GB2020/052149)
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[54] **ANTI-CD22 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CD22 ET LEURS UTILISATIONS**
[72] CHEN, YAN, US
[72] NGUYEN, JENNA, US
[72] ZHAO, KEHAO, US
[71] ELPIS BIOPHARMACEUTICALS, US
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[25] EN
[54] **BACTERIAL OIL TREATMENT COMPOSITION FOR HANDLING A DECOMMISSIONED OIL CABLE**
[54] **COMPOSITION DE TRAITEMENT D'HUILE BACTERIENNE POUR LA MANIPULATION D'UN CABLE A HUILE DESACTIVE**
[72] STAEDLER, DAVIDE, CH
[72] SPINETTI, THIBAUD, CH
[72] TORRIANI, MARCO, CH
[71] TIBIO SAGL, CH
[85] 2022-02-18
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[25] EN
[54] **THERAPEUTIC APOPTOTIC CELLS FOR TREATMENT OF OSTEOARTHRITIS**
[54] **CELLULES APOPTOTIQUES THERAPEUTIQUES POUR LE TRAITEMENT DE L'OSTEOARTHROSE**
[72] MEVORACH, DROR, IL
[72] NOVIK, SHAI, IL
[71] ENLIVEX THERAPEUTICS LTD, IL
[85] 2022-02-18
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[51] **Int.Cl. A61J 7/00 (2006.01) B65B 1/30 (2006.01)**
[25] EN
[54] **TABLET PACKAGING MACHINE**
[54] **MACHINE D'EMBALLAGE DE COMPRIMES**
[72] OMURA, YOSHIHITO, JP
[71] TOSHO, INC., JP
[85] 2022-02-18
[86] 2020-08-17 (PCT/JP2020/030997)
[87] (WO2021/033665)
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[25] EN
[54] **PULL-OUT HEATING COOKING APPARATUS**
[54] **APPAREIL DE CUISSON CHAUFFANT EN TIROIR**
[72] ASAMI, SHINJI, JP
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2022-02-18
[86] 2020-08-18 (PCT/JP2020/031126)
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[25] EN
[54] **DRAWER TYPE HEATING COOKING APPARATUS**
[54] **APPAREIL DE CUISSON CHAUFFANT DE TYPE TIROIR**
[72] SUENAGA, HIROMI, JP
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2022-02-18
[86] 2020-08-18 (PCT/JP2020/031127)
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[25] EN
[54] **ACTIVATED CARBON FIBER SHEET FOR MOTOR VEHICLE CANISTER**
[54] **FEUILLE EN FIBRE DE CHARBON ACTIF POUR RESERVOIR D'AUTOMOBILE**
[72] IMAI, DAISUKE, JP
[72] WATANABE, YOSHIHIDE, JP
[72] TAKATA, YUU, JP
[72] OZAWA, SHUNSUKE, JP
[72] YOSHIDA, CHIE, JP
[71] NIPPON PAPER INDUSTRIES CO., LTD., JP
[85] 2022-02-18
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[25] EN
[54] **THERAPEUTIC OR PROPHYLACTIC METHOD FOR DIABETES USING COMBINATION MEDICINE**
[54] **PROCEDE THERAPEUTIQUE OU PROPHYLACTIQUE POUR LE DIABETE UTILISANT LA POLYTHERAPIE**
[72] MERA, YASUKO, JP
[72] KATSUMI, SOHEI, JP
[72] OKUMA, CHIHIRO, JP
[72] MOCHIDA, SEIYA, JP
[71] JAPAN TOBACCO INC., JP
[85] 2022-02-18
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[51] **Int.Cl. G10L 13/04 (2013.01) G10L 15/20 (2006.01) H04M 3/00 (2006.01)**
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[54] **DEVELOPMENT OF VOICE AND OTHER INTERACTION APPLICATIONS**
[54] **DEVELOPPEMENT D'APPLICATIONS VOCALES ET D'AUTRES APPLICATIONS D'INTERACTION**
[72] MCMAHON, JEFFREY K., US
[72] NAUGHTON, ROBERT T., US
[72] LAIDLAW, NICHOLAS G., US
[72] DUNN, ALEXANDER M., US
[72] GREEN, JASON, US
[71] VOICIFY, LLC, US
[85] 2022-02-18
[86] 2020-08-13 (PCT/US2020/046201)
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[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/074 (2010.01)**
[25] EN
[54] **METHOD FOR PRODUCING VASCULAR ENDOTHELIAL STEM CELL**
[54] **METHODE DE PRODUCTION D'UNE CELLULE SOUCHE ENDOTHELIALE VASCULAIRE**
[72] TAKAKURA, NOBUYUKI, JP
[72] NAITO, HISAMICHI, JP
[72] WAKABAYASHI, TAKU, JP
[72] IBA, TOMOHIRO, JP
[71] OSAKA UNIVERSITY, JP
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[51] **Int.Cl. H04W 4/80 (2018.01)**
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[54] **METHOD OF EXTENDING A RFID TAG READING RANGE AND DEVICE FOR CARRYING OUT THE SAME**
[54] **METHODE DE PROLONGEMENT DE LA PORTEE DE LECTURE D'UNE ETIQUETTE RFID ET DISPOSITIF POUR EXECUTER LA METHODE**
[72] KONDRATIEV, ALEXANDR GENNADIEVICH, RU
[72] DROZDOV, SERGEY VILENOVICH, RU
[72] MARKIN, ALEXANDR EVGENIEVICH, RU
[72] PANKOV, ARAM VITALIEVICH, RU
[72] ZHUKOV, DMITRY VLADIMIROVICH, RU
[71] KONDRATIEV, ALEXANDR GENNADIEVICH, RU
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[51] **Int.Cl. F04F 1/20 (2006.01)**
[25] EN
[54] **PNEUMATIC FLUID PUMP WITH DUAL ROTATIONAL SWIRLING CLEANING ACTION**
[54] **POMPE A FLUIDE PNEUMATIQUE A DOUBLE ACTION DE NETTOYAGE TOURBILLONNANT EN ROTATION**
[72] SCHAUPP, JOHN F., US
[72] SCHAFFER, JOSEPH LAWRENCE, US
[72] WEINBERGER, MARK T., US
[72] ROSS, DANIEL P., US
[72] CROUSE, BRETT M., US
[72] WELLS, STEVEN RICHARD, US
[71] Q.E.D. ENVIRONMENTAL SYSTEMS, INC., US
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[86] 2020-07-01 (PCT/US2020/040524)
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[30] US (62/888,730) 2019-08-19
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[51] **Int.Cl. B60T 17/22 (2006.01) B61G 5/00 (2006.01) B61L 15/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING BRAKE SYSTEMS ON RAILWAY ASSETS**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE SYSTEMES DE FREINAGE SUR DES BIENS FERROVIAIRES**
[72] MICHEL, MARK, US
[72] NOVELLINO, PETER, US
[71] AMSTED RAIL COMPANY, INC., US
[85] 2022-02-18
[86] 2020-08-21 (PCT/US2020/047425)
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[51] **Int.Cl. C10L 1/00 (2006.01) C10L 1/02 (2006.01) C10L 1/04 (2006.01)**
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[54] **UPGRADING FUSEL OILS OVER DOPED ALUMINA**
[54] **VALORISATION D'HUILES DE FUSEL SUR DE L'ALUMINE DOPEE**
[72] SMITH, JONATHAN, US
[71] GEVO, INC., US
[85] 2022-02-18
[86] 2020-08-19 (PCT/US2020/046931)
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[51] **Int.Cl. C07K 19/00 (2006.01) A61K 38/17 (2006.01) A61P 25/00 (2006.01) C07K 14/705 (2006.01) C12N 15/62 (2006.01) C12N 15/864 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR NEUROLOGICAL DISEASES**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE MALADIES NEUROLOGIQUES**
[72] LAU, ANTHONY, JR., US
[72] KEIFER, ORION P., JR., US
[72] MAKINSON, STEFANIE, US
[71] CODA BIOTHERAPEUTICS, INC., US
[85] 2022-02-18
[86] 2020-08-21 (PCT/US2020/047503)
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[51] **Int.Cl. G01G 3/12 (2006.01) G01G 19/08 (2006.01)**
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[54] **BULK METALLIC GLASS LOAD CELL**
[54] **CELLULE DE CHARGE EN VERRE METALLIQUE MASSIF**
[72] RAMASUNDARAM, BHARANIKUMAR, US
[72] TALLEY, JAMES, US
[72] RAINONE, MICHAEL, US
[72] SCHLAU, CALVIN, US
[72] NEHLS, CALEB, US
[71] FREIGHTLUCID, LLC, US
[85] 2022-02-18
[86] 2020-08-21 (PCT/US2020/047453)
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[51] **Int.Cl. A47J 27/04 (2006.01) A47J 36/24 (2006.01) F24C 9/00 (2006.01)**
[25] EN
[54] **FOOD HEATING DEVICE AND FOOD HEATING METHOD USING THE SAME**
[54] **DISPOSITIF DE CHAUFFAGE D'ALIMENT ET PROCEDE DE CHAUFFAGE D'ALIMENT L'UTILISANT**
[72] LIN, CHIH HUNG, US
[71] YO-KAI EXPRESS, INC., US
[85] 2022-02-18
[86] 2020-08-19 (PCT/US2020/046977)
[87] (WO2021/034921)
[30] US (62/889,164) 2019-08-20

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[51] **Int.Cl. A61M 25/01 (2006.01)**
[25] EN
[54] **FLUID TRANSFER DEVICES WITH EXTENDED LENGTH CATHETERS AND METHODS OF USING THE SAME**
[54] **DISPOSITIFS DE TRANSFERT DE FLUIDE AYANT DES CATHETERS A LONGUEUR PROLONGEE ET LEURS PROCEDES D'UTILISATION**
[72] DEVGON, PITAMBER, US
[72] FUNK, BRIAN J., US
[72] VANDENBRINK, EVAN, US
[71] VELANO VASCULAR, INC., US
[85] 2022-02-18
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[51] **Int.Cl. A63B 71/04 (2006.01) G16Z 99/00 (2019.01) A63B 24/00 (2006.01) A63B 67/02 (2006.01) A63B 71/02 (2006.01) A63B 71/06 (2006.01)**
[25] EN
[54] **MULTIPLAYER, MULTISPORT INDOOR GAME SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE JEU D'INTERIEUR MULTISPORT ET MULTIJOUEUR**
[72] VOLLBRECHT, JAMES, US
[72] CARVER, JEREMY MATHEW, US
[71] FLYINGTEE TECH, LLC, US
[85] 2022-02-18
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[51] **Int.Cl. C07K 16/18 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01) C07H 21/04 (2006.01) C12N 15/63 (2006.01)**
[25] EN
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[54] **ANTICORPS ANTI-AMYLOIDES BETA**
[72] NICHOLS, MICHAEL R., US
[71] THE CURATORS OF THE UNIVERSITY OF MISSOURI, US
[85] 2022-02-18
[86] 2020-08-20 (PCT/US2020/047163)
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[30] US (62/889,220) 2019-08-20

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[51] **Int.Cl. A23L 2/52 (2006.01) A23L 33/10 (2016.01) A23L 33/16 (2016.01) A23L 33/175 (2016.01) A23L 2/38 (2021.01) A23L 2/60 (2006.01) A23L 2/66 (2006.01) A23L 2/68 (2006.01)**
[25] EN
[54] **STABLE CREATINE BEVERAGES**
[54] **BOISSONS DE CREATINE STABLES**
[72] KARAVA, NILESH, US
[72] SCHAMBACH, BRADLEY, US
[71] THE COCA-COLA COMPANY, US
[85] 2022-02-18
[86] 2020-08-24 (PCT/US2020/047591)
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[30] US (62/890,772) 2019-08-23

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[51] **Int.Cl. A61K 31/4192 (2006.01) A61P 13/12 (2006.01) C07D 249/04 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS FOR TREATING OXALATE-RELATED DISEASES**
[54] **COMPOSES ET METHODES DE TRAITEMENT DE MALADIES LIEES A L'OXALATE**
[72] LEEDOM, THOMAS, US
[72] KABAKIBI, AYMAN, US
[72] KAHRAMAN, MEHMET, US
[72] CLARE, MICHAEL, US
[71] OXALURX, INC., US
[85] 2022-02-18
[86] 2020-08-22 (PCT/US2020/047548)
[87] (WO2021/035196)
[30] US (62/890,378) 2019-08-22

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[13] A1
[51] **Int.Cl. G02C 5/20 (2006.01) G02C 5/14 (2006.01)**
[25] EN
[54] **SPINNABLE FRAMES FOR SPECTACLES**
[54] **MONTURES FILABLES POUR LUNETTES**
[72] MENDELSOHN, ADAM, US
[71] WARBY PARKER INC., US
[85] 2022-02-18
[86] 2020-07-20 (PCT/US2020/042771)
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[30] US (16/547,025) 2019-08-21

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[54] **TRANSPORTEUR DOTE D'UN SYSTEME DE REJET DE LARGEUR SELECTIVE**
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[72] BUTT, AMER M., US
[72] DICAPUA, PETER OSVALD, US
[71] JOHN BEAN TECHNOLOGIES CORPORATION, US
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[54] **NANOPARTICLE COATED PROPPANTS AND METHODS OF MAKING AND USE THEREOF**
[54] **AGENTS DE SOUTENEMENT REVETUS DE NANOPARTICULES ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] SAINI, RAJESH KUMAR, SA
[72] HAQUE, MOHAMMAD HAMIDUL, SA
[72] SAYED, MOHAMMED, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
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[54] **REGIONS DU GENOME METHYLEES DE MANIERE DIFFERENTIELLE UTILES EN TANT QUE MARQUEURS DE TRANSITIONS EMBRYON-ADULTE**
[72] WEST, MICHAEL D., US
[72] CHAPMAN, KAREN B., US
[71] AGEX THERAPEUTICS, INC., US
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[54] **ESTIMATION D'ECONOMIE DE CARBURANT**
[72] BRADLEY, WILLIAM, US
[72] VALDEZ, JUAN MARTIN MUNOZ, US
[71] CAMBRIDGE MOBILE TELEMATICS INC., US
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[54] **VIRTUAL FITTING SYSTEMS AND METHODS FOR SPECTACLES**
[54] **SYSTEMES ET PROCEDES D'ESSAYAGE VIRTUEL POUR LUNETTES**
[72] GOLDBERG, DAVID HOWARD, US
[72] ZACHRITZ, HANNAH, US
[72] DUFFY, TAYLOR ALEXANDRA, US
[72] LAUNDY, SASHA, US
[71] WARBY PARKER INC., US
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[54] **DUAL WAGERING GAME AND AMUSEMENT-STYLE GAMING UNIT AND METHODS AND SYSTEMS FOR AWARDING REWARDS**
[54] **JEU DE PARI DOUBLE ET UNITE DE JEU DE TYPE DIVERTISSEMENT ET PROCEDES ET SYSTEMES D'ATTRIBUTION DE RECOMPENSES**
[72] HARRIS, RONNIE W., US
[72] REISDORPH, KENT, US
[72] HOOVER, JANAE, US
[72] ROCHELLE, TERMAN, US
[71] ARIES TECHNOLOGY, LLC, US
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[54] **METHOD FOR INSTALLING A TENSION LEG PLATFORM BASED FLOATING OBJECT**
[54] **PROCEDE D'INSTALLATION D'UN OBJET FLOTTANT A BASE DE PLATE-FORME A LIGNES TENDUES**
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[72] SEBELLIN, ERIC, MC
[71] SINGLE BUOY MOORINGS INC., CH
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[54] **IMPROVED RECOMBINANT PMHC MOLECULES**
[54] **MOLECULES CMHP DE RECOMBINAISON AMELIOREES**
[72] SANTAMARIA, PEDRO, CA
[71] UTI LIMITED PARTNERSHIP, CA
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[54] **DIHYDROERGOTAMINE MESYLATE FORMULATIONS AND PRE-FILLED INJECTORS FOR THERAPEUTIC DELIVERY OF THE SAME**
[54] **FORMULATIONS DE MESYLATE DE DIHYDROERGOTAMINE ET INJECTEURS PRE-REMPLIS POUR L'ADMINISTRATION THERAPEUTIQUE DE CELLES-CI**
[72] HARIHARAN, SHANKAR, US
[72] KOLLA, BHAVYA TEJA, US
[72] SANGHVI, SUKETU, US
[72] SURANA, RAHUL, US
[71] SCIENTURE, INC., US
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[54] **WET BULB TEMPERATURE SENSOR SYSTEM AND METHOD FOR DIRECT MEASUREMENT OF WET BULB TEMPERATURE IN AN OVEN**
[54] **SYSTEME DE CAPTEUR DE TEMPERATURE A BULBE HUMIDE ET PROCEDE DE MESURE DIRECTE DE TEMPERATURE DE BULBE HUMIDE DANS UN FOUR**
[72] LEES, HARRISON JOHN, US
[72] HEIMENDINGER, SCOTT MARTIN, US
[72] MESSLER, CARL HAKAN, US
[71] ANOVA APPLIED ELECTRONICS, INC., US
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[25] EN
[54] **COMMUNICATION SYSTEM AND METHOD FOR ACHIEVING HIGH DATA RATES USING MODIFIED NEARLY-EQUIANGULAR TIGHT FRAME (NETF) MATRICES**
[54] **SYSTEME DE COMMUNICATION ET PROCEDE PERMETTANT D'OBTENIR DES DEBITS DE DONNEES ELEVES A L'AIDE DE MATRICES A TRAMES ETROITES QUASI-EQUIANGULAIRES (NETF) MODIFIEES**
[72] ROBINSON, MATTHEW BRANDON, US
[71] RAMPART COMMUNICATIONS, INC., US
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[54] **ABRI D'URGENCE A STRUCTURE RETRACTABLE MODULAIRE**
[72] ABBASIAN, GHAZALEH, IR
[71] ABBASIAN, GHAZALEH, IR
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[54] **UNIVERSAL DONOR SELECTION METHOD TO IDENTIFY NK-CELL-DONORS**
[54] **PROCEDE DE SELECTION DE DONNEUR UNIVERSEL POUR IDENTIFIER DES DONNEURS DE CELLULES NK**
[72] LEE, DEAN, US
[71] THE RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, US
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[54] **SYSTEME SOLAIRE FLOTTANT**
[72] FORREST, KENNETH ROY, US
[71] FLOTAICS, LLC, US
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[54] **COLLATION DE PROTEINE VEGETALE AYANT UNE TEXTURE DE TYPE VIANDE**
[72] COOMES, JAMES M., US
[72] GLADDEN, CHARLENE, US
[72] TREZZA, THOMAS A., US
[72] ZHU, YI, US
[71] FRITO-LAY NORTH AMERICA, INC., US
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[54] **MODULAR AND STACKABLE ANTENNA ARRAY**
[54] **RESEAU D'ANTENNES MODULAIRE ET EMPILABLE**
[72] MCCORDIC, CRAIG H., US
[72] ELLSWORTH, JOSEPH R., US
[72] MORIONDO, DOUGLAS J., US
[72] DELGENIO, JOSEPH ANGELO, US
[72] WHITE, CHRISTOPHER ROBERT, US
[72] RICKIS, ADAM CARL, US
[72] MANTEIGA, CAROLINE MARGARET, US
[71] RAYTHEON COMPANY, US
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[25] EN
[54] **NEUROTOXIN COMPOSITIONS FOR USE IN TREATING NEUROLOGIC AND PSYCHIATRIC DISORDERS**
[54] **COMPOSITIONS DE NEUROTOXINE DESTINEES A ETRE UTILISEES DANS LE TRAITEMENT DE TROUBLES NEUROLOGIQUES ET PSYCHIATRIQUES**
[72] BROOKS, GREGORY F., US
[71] AEON BIOPHARMA, INC., US
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[51] **Int.Cl. B65G 1/137 (2006.01)**
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[54] **TRANSPORT AND MANIPULATION SYSTEM AND METHOD FOR TRANSPORTING LOAD CARRIERS**
[54] **SYSTEME DE TRANSPORT ET DE MANIPULATION ET PROCEDE DE TRANSPORT DE SUPPORTS DE CHARGEMENT**
[72] WINKLER, MARKUS, AT
[72] BEINHOFER, MAXIMILIAN, AT
[71] TGW LOGISTICS GROUP GMBH, AT
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[54] **DEVICE FOR FIXING AND POSITIONING A RAIL MONITORING ELEMENT AND USE OF SAID DEVICE**
[54] **DISPOSITIF POUR FIXER UN ELEMENT DE SURVEILLANCE DE RAIL**
[72] SCHICKER, KAI, DE
[72] OLDEWURTEL, KASSEN, DE
[71] THALES MANAGEMENT & SERVICES DEUTSCHLAND GMBH, DE
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[54] **ANTIMICROBIAL BODY ACCESS SYSTEM**
[54] **SYSTEME D'ACCES A UN CORPS ANTIMICROBIEN**
[72] JHO, JIAYE, US
[71] PFM MEDICAL, INC., US
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[54] **RFID READ AND WRITE POWER SETTING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE REGLAGE DE PUISSANCE DE LECTURE ET D'ECRITURE RFID**
[72] WIMMERS, DAVID J., US
[72] MISTYURIK, JOHN D., US
[72] FOWLER, SCOTT P., US
[72] MCCOPPIN, RYAN, US
[71] AVERY DENNISON RETAIL INFORMATION SERVICES, LLC, US
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[54] **OLIGONUCLEOTIDE CONJUGATE COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DE CONJUGUES D'OLIGONUCLEOTIDES ET METHODES D'UTILISATION**
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[72] DEBACKER, ALEXANDRE, GB
[72] MITCHELL, LEE, GB
[72] VOUTILA, JON, GB
[71] MINA THERAPEUTICS LIMITED, GB
[71] LGC GENOMICS LTD, GB
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[54] **UTILISATION D'UN INHIBITEUR DE L'ELASTASE NEUTROPHILE DANS LES MALADIES PULMONAIRES**
[72] SATYAL, SANJEEV, US
[72] HUH, HOYOUNG, US
[71] PH PHARMA CO., LTD., KR
[85] 2022-02-18
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[25] EN
[54] **CANNABINOID COMPOSITIONS, METHODS OF MAKING SAME AND USES THEREOF**
[54] **COMPOSITIONS DE CANNABINOIDES, PROCEDES DE FABRICATION ET UTILISATIONS DE CELLES-CI**
[72] CHOUINARD, FRANCOIS, CA
[72] CONWAY, JUSTIN, CA
[71] HEXO OPERATIONS INC., CA
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[54] **COMBINATION OF AN UROLITHIN WITH AN IMMUNOTHERAPY TREATMENT**
[54] **COMBINAISON D'UNE UROLITHINE ET D'UN TRAITEMENT D'IMMUNOTHERAPIE**
[72] RINSCH, CHRISTOPHER, CH
[72] GRETEN, FLORIAN, DE
[72] DRACHSLER, MORITZ, DE
[72] ZIEGLER, PAUL, DE
[71] AMAZENTIS SA, CH
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[51] **Int.Cl. A47J 31/44 (2006.01)**
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[54] **AUTOMATED HEATING AND/OR FOAMING APPARATUS AND HEATING AND/OR FOAMING METHOD**
[54] **APPAREIL DE FORMATION DE MOUSSE ET/OU DE CHAUFFAGE AUTOMATISES ET PROCEDE DE FORMATION DE MOUSSE ET/OU DE CHAUFFAGE**
[72] HERNOU, PETER, BE
[72] CHANG, TING-TING, TW
[72] TING, HSIAO-CHUN, TW
[72] VINCKE, ROBBIE, TW
[71] LABRINTS BVBA, BE
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[25] EN
[54] **METHOD OF PRODUCTION OF A MINERAL FOAM FOR FILLING CAVITIES**
[54] **PROCEDE DE FABRICATION D'UNE MOUSSE MINERALE DE REMPLISSAGE DE CAVITES**
[72] DALAS, FLORENT, CH
[72] GEORGES, SEBASTIEN, CH
[72] MOUNIE, CYRIL, CH
[72] SKAWINSKI, FLORENT, CH
[71] HOLCIM TECHNOLOGY LTD, CH
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[54] **INHIBITORS OF ZIKA VIRUS INFECTION**
[54] **INHIBITEURS D'INFECTION PAR LE VIRUS ZIKA**
[72] DU, LANYING, US
[72] DEBNATH, ASIM KUMAR, US
[72] JIANG, SHIBO, US
[72] GAO, YANING, US
[71] NEW YORK BLOOD CENTER, INC., US
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[25] EN
[54] **HYDROPHILIC-HYDROPHOBIC COPOLYMER CARRYING SHORT CHAIN FATTY ACID ESTER**
[54] **COPOLYMERE HYDROPHILE-HYDROPHOBE PORTANT UN ESTER D'ACIDE GRAS A CHAINE COURTE**
[72] NAGASAKI, YUKIO, JP
[72] SHASHNI, BABITA, JP
[72] VONG, BINH LONG, JP
[72] OKADA, RYUSAKU, JP
[72] TAJIKA, YUYA, JP
[72] LEE, YAROSLAV, JP
[71] UNIVERSITY OF TSUKUBA, JP
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[25] EN
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[54] **PROCEDES D'INHIBITION AVEC DES SOUCHES MICROBIENNES ET DES ANTIBIOTIQUES**
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[72] SON, SONA, US
[72] LEISTIKOW, KYLE, US
[71] MICROBIAL DISCOVERY GROUP, LLC, US
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[54] **BARRIERES DE SECURITE RETRACTABLES RESISTANTES AUX CHOCS**
[72] WIEGEL, AARON J., US
[72] SWIFT, DAVID, US
[72] DONDLINGER, JASON, US
[72] KORMAN, JOE, US
[72] DWYER, MATTHEW ROBERT, US
[72] DUESING, TONY, US
[71] RITE-HITE HOLDING CORPORATION, US
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[54] **TROPOELASTIN FOR USE IN TREATMENT OF ACNE SCARRING**
[54] **TROPOELASTINE DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT DE LA CICATRISATION DE L'ACNE**
[72] DANIELS, ROBERT, AU
[72] COLLINS, CAROLINE, IE
[72] ROBERTS, JOHN ST. CLAIR, GB
[72] WESTWATER, JOHN, IE
[71] ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED, IE
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[54] **METALLOCENE CATALYST SYSTEM FOR PRODUCING LLDPE COPOLYMERS WITH TEAR RESISTANCE AND LOW HAZE**
[54] **SYSTEME CATALYTIQUE DE TYPE METALLOCENE POUR LA PRODUCTION DE COPOLYMERES DE LLDPE PRESENTANT UNE RESISTANCE A LA DECHIRURE ET UN FAIBLE TROUBLE**
[72] TSO, CHUNG CHING, US
[72] DING, ERRUN, US
[72] MUNINGER, RANDALL S., US
[72] BLAGG, JOHN T., US
[72] INN, YONGWOO, US
[72] MCDANIEL, MAX P., US
[72] SUKHADIA, ASHISH M., US
[72] EPPINGER, SARAH, US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
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[54] **SUBMERGIBLE STERN PLATFORM EQUIPPED WITH OPENINGS FOR RECREATION**
[54] **PLATEFORME DE POUPE SUBMERSIBLE A OUVERTURES POUR ACTIVITES DE LOISIRS**
[72] CAMBRIA, FILIPPO, BR
[71] MANFRINATO CAMBRIA, LUCIANA CHRISTINA, BR
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[54] **VARIANT FC DOMAINS AND USES THEREOF**
[54] **DOMAINES FC VARIANTS ET LEURS UTILISATIONS**
[72] TARI, LESLIE W., US
[71] CIDARA THERAPEUTICS, INC., US
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[54] **ENGINEERED YEAST FOR NONMAGNETIC FINES RECOVERY**
[54] **LEVURE MODIFIEE POUR RECUPERATION DE FINES NON MAGNETIQUES**
[72] GREENE, ROBERT CRANDALL, CA
[71] ECOMINE TECHNOLOGIES CORPORATION, CA
[85] 2022-02-22
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[54] **SAMPLE FOLDER**
[54] **CHEMISE A ECHANTILLONS**
[72] DURNBERGER, GERHARD, AT
[71] KAINDL MARKEN GMBH, AT
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[25] EN
[54] **METHODS FOR CONVERTING THC-RICH CANNABINOID MIXTURES INTO CBN-RICH CANNABINOID MIXTURES**
[54] **PROCEDES DE CONVERSION DE MELANGES DE CANNABINOIDES RICHES EN THC EN MELANGES DE CANNABINOIDES RICHES EN CBN**
[72] ADAIR, CHRISTOPHER, CA
[72] AZIZPOOR FARD, MAHMOOD, CA
[72] GEILING, BEN, CA
[72] HAGHDOOST MANJILI, MOHAMMADMEHDI, CA
[71] CANOPY GROWTH CORPORATION, CA
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[54] **NUCLEOSIDE PRODRUGS AND USES RELATED THERETO**
[54] **PROMEDICAMENTS NUCLEOSIDIQUES ET LEURS UTILISATIONS**
[72] MILLER, ERIC, US
[72] PRIBUT, NICOLE, US
[72] D'ERASMO, MICHAEL, US
[72] DASARI, MADHURI, US
[72] GIESLER, KYLE, US
[72] ISKANDAR, SABRINA, US
[72] LIOTTA, DENNIS C., US
[71] EMORY UNIVERSITY, US
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[54] **METHODS FOR CONVERTING TETRAHYDROCANNABINOLIC ACID INTO CANNABINOLIC ACID**
[54] **PROCEDES DE CONVERSION DE L'ACIDE TETRAHYDROCANNABINOLIQUE EN ACIDE CANNABINOLIQUE**
[72] ADAIR, CHRISTOPHER, CA
[72] AZIZPOOR FARD, MAHMOOD, CA
[72] GEILING, BEN, CA
[71] CANOPY GROWTH CORPORATION, CA
[85] 2022-02-22
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[25] EN
[54] **METHODS FOR REDUCING THC CONTENT IN COMPLEX CANNABINOID MIXTURES IN WHICH THC IS A MINOR COMPONENT**
[54] **PROCEDES DE REDUCTION DE LA TENEUR EN THC DE MELANGES DE CANNABINOIDES COMPLEXES DANS LESQUELS LE THC CONSTITUE UN COMPOSANT MINEUR**
[72] ADAIR, CHRISTOPHER, CA
[72] GEILING, BEN, CA
[72] HAGHDOOST MANJILI, MOHAMMADMEHDI, CA
[72] SAMARANAYAKA, ANUSHA GEETHANGANI PERERA, CA
[71] CANOPY GROWTH CORPORATION, CA
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[25] EN
[54] **BUSINESS PARAMETER COLLECTING METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE ET DISPOSITIF DE COLLECTE DE PARAMETRES OPERATIONNELS, MATERIEL INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] XU, XIAJUN, CN
[72] HAN, YAO, CN
[72] TAO, LI, CN
[72] HU, MENGLIANG, CN
[72] ZHANG, TAIXIANG, CN
[71] 10353744 CANADA LTD., CA
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[54] **CONTROLLABLE DOOR LOCK**
[54] **VERROU DE PORTE POUVANT ETRE COMMANDE**
[72] MANTENA, RAJIV, US
[72] GENGLER, DAVID, US
[72] GOSLING, JACOB, US
[71] JANUS INTERNATIONAL GROUP, LLC, US
[85] 2022-02-18
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[51] **Int.Cl. A61K 47/06 (2006.01) A61K 31/05 (2006.01) A61K 47/14 (2017.01) A61K 47/22 (2006.01) A61K 47/44 (2017.01) C07C 13/32 (2006.01) C07C 39/23 (2006.01) C07D 311/04 (2006.01)**
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[54] **STABLE MEDICINAL CANNABIDIOL COMPOSITIONS**
[54] **COMPOSITIONS MEDICINALES STABLES DE CANNABIDIOL**
[72] RISTEVSKI, BLAGOJA, CA
[72] BOLTON, ANTHONY ERNEST, CA
[71] CARDIOL THERAPEUTICS INC., CA
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[25] EN
[54] **SUBSTITUTED (7H-PYRROLO[2,3-D]PYRIMIDIN-4-YL)AMINO COMPOUNDS USEFUL AS JAK1 INHIBITORS**
[54] **COMPOSES (7H-PYRROLO[2,3-D]PYRIMIDIN-4-YL)AMINO SUBSTITUES UTILES COMME INHIBITEURS DE JAK1**
[72] SU, XIPING, US
[72] LIANG, SIDNEY XI, US
[72] WERTH, PETER J., US
[71] CHEMWERTH, INC., US
[85] 2022-02-18
[86] 2020-08-25 (PCT/US2020/047767)
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[51] **Int.Cl. C12N 9/96 (2006.01) A61K 38/48 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **NEUROTOXIN COMPOSITIONS FOR USE IN TREATING HEADACHE**
[54] **COMPOSITIONS DE NEUROTOXINE A UTILISER DANS LE TRAITEMENT DE LA CEPHALEE**
[72] BROOKS, GREGORY F., US
[72] BLUMENFELD, ANDREW M., US
[71] AEON BIOPHARMA, INC., US
[85] 2022-02-18
[86] 2020-08-28 (PCT/US2020/048624)
[87] (WO2021/041978)
[30] US (62/894,540) 2019-08-30
[30] US (62/950,775) 2019-12-19
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[54] **ANTI-CD96 ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-CD96 ET PROCEDES D'UTILISATION DE CES DERNIERS**
[72] CHAND, DHAN SIDHARTHA, US
[72] GOMBOS, RANDI BARBARA, US
[72] IGNATOVICH, OLGA, US
[72] RAMSAY, NICOLA ANNE, US
[72] BUSHELL, K. MARK, US
[72] BRIEND, EMMANUEL CYRILLE PASCAL, US
[71] AGENUS INC., US
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[86] 2020-08-31 (PCT/US2020/048700)
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[25] EN
[54] **SANITARY FOOD WASHING STAGE IN FOOD PRODUCTION**
[54] **ETAPE DE LAVAGE ALIMENTAIRE SANITAIRE DANS LA PRODUCTION ALIMENTAIRE**
[72] BURCHTORF, JOHN K., US
[72] HENDERSON, WILLIAM, US
[72] MARSH, DANIEL, US
[71] CHEMTREAT, INC., US
[85] 2022-02-18
[86] 2020-09-21 (PCT/US2020/051794)
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[51] **Int.Cl. H04N 19/167 (2014.01) H04N 19/109 (2014.01) H04N 19/176 (2014.01) H04N 19/543 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MOTION INFORMATION STORAGE**
[54] **PROCEDE ET APPAREIL DE STOCKAGE D'INFORMATIONS DE MOUVEMENT**
[72] GAO, HAN, DE
[72] ESENLIK, SEMIH, DE
[72] ALSHINA, ELENA ALEXANDROVNA, DE
[72] WANG, BIAO, DE
[72] KOTRA, ANAND MEHER, DE
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[86] 2019-08-26 (PCT/EP2019/072716)
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[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **METHOD FOR DETECTING THE TENDENCY TO FORM LEUKEMIA**
[54] **PROCEDE POUR DETECTER LA PREDISPOSITION A DEVELOPPER UN CANCER DU SANG**
[72] JUMAA, HASSAN, DE
[71] AVA LIFESCIENCE GMBH, DE
[85] 2022-02-22
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[51] **Int.Cl. C10B 49/22 (2006.01) C10G 1/00 (2006.01) C10G 1/02 (2006.01) C10G 9/32 (2006.01) C10G 69/00 (2006.01) C10G 69/06 (2006.01)**
[25] EN
[54] **FLUIDIZED BED DEVOLATILIZATION AND CRACKING OF SOLID REFINERY RESIDUE**
[54] **DEGAGEMENT DE MATIERES VOLATILES ET CRAQUAGE EN LIT FLUIDISE DE RESIDUS DE RAFFINERIE SOLIDES**
[72] URADE, VIKRANT NANASAHEB, IN
[72] NARAYAN, RAJEEV, IN
[72] CHINTAKUNTA, GANESH, IN
[72] CHOUDHARI, HARSHAVARDHAN JAYANT, IN
[72] MEHTA, DHAIRYA DILIP, IN
[72] NAGARAJAN, ASHWIN KUMAR, IN
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[13] A1
[51] **Int.Cl. F41A 21/48 (2006.01)**
[25] EN
[54] **BARREL UNIT FOR A FIREARM**
[54] **UNITE DE CANON POUR UNE ARME A FEU**
[72] WUTTE, ANDREAS, AT
[71] GLOCK TECHNOLOGY GMBH, AT
[85] 2022-02-21
[86] 2020-09-28 (PCT/EP2020/077084)
[87] (WO2021/063876)
[30] EP (19201455.3) 2019-10-04

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[13] A1
[51] **Int.Cl. E02B 3/10 (2006.01)**
[25] EN
[54] **PROTECTIVE MODULAR BARRIER AGAINST WATER RUNOFF AND FLOODING**
[54] **BARRIERE MODULAIRE DE PROTECTION CONTRE LE RUISSELLEMENT ET LA SUBMERSION PAR L'EAU**
[72] NGUYEN VAN, LUC, FR
[71] CUIRASSIER, FR
[85] 2022-02-21
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[51] **Int.Cl. C12P 19/34 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/6869 (2018.01)**
[25] EN
[54] **HAIRPIN PRIMER DESIGN FOR SEQUENTIAL PCR PRODUCTION OF TARGETED SEQUENCING LIBRARIES**
[54] **CONCEPTION D'AMORCE EN EPINGLE A CHEVEUX POUR LA PRODUCTION DE PCR SEQUENTIELLE DE BIBLIOTHEQUES DE SEQUENCAGE CIBLEES**
[72] MELTZER, ROBERT, US
[72] FONTANEZ, KRISTINA, US
[72] SCHENK, DESIREE, US
[71] FLUENT BIOSCIENCES INC., US
[85] 2022-02-18
[86] 2020-08-20 (PCT/US2020/047214)
[87] (WO2021/035056)
[30] US (62/889,105) 2019-08-20

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[13] A1
[51] **Int.Cl. A61J 7/02 (2006.01) G01N 21/88 (2006.01) G01N 21/95 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR VISION BASED COUNTING**
[54] **SYSTEMES ET PROCEDES DE COMPTAGE REPOSANT SUR LA VISION**
[72] WHITTIER, BEN, US
[72] HOLLAND, ERIC, US
[72] LANG, DAVE, US
[72] DETERT, KEVIN, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2022-02-21
[86] 2020-07-29 (PCT/US2020/043945)
[87] (WO2021/040950)
[30] US (62/890,749) 2019-08-23
[30] US (16/925,061) 2020-07-09

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[13] A1
[51] **Int.Cl. E01B 27/16 (2006.01)**
[25] EN
[54] **TAMPING UNIT FOR TAMPING SLEEPERS OF A TRACK**
[54] **ENSEMBLE DE BOURRAGE DESTINE AU BOURRAGE DE TRAVERSES D'UNE VOIE FERREE**
[72] WORGOTTER, HERBERT, AT
[72] POSCHL, ANDREAS, AT
[72] MATZINGER, NIKOLAUS, AT
[71] PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GESELLSCHAFT M.B.H., AT
[85] 2022-02-22
[86] 2020-09-10 (PCT/EP2020/075290)
[87] (WO2021/069172)
[30] AT (A 324/2019) 2019-10-08

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[51] **Int.Cl. B60S 3/04 (2006.01) B08B 3/02 (2006.01) B08B 17/00 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR CLEANING VEHICLE TIRES**
[54] **AGENCEMENT POUR NETTOYER DES PNEUS DE VEHICULE**
[72] KARPPINEN, JUHA, FI
[71] TYRE WASH TWS OY, FI
[85] 2022-02-22
[86] 2020-08-25 (PCT/FI2020/050551)
[87] (WO2021/038132)
[30] FI (20197112) 2019-08-26

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[51] **Int.Cl. A61F 11/00 (2022.01) A61F 2/07 (2013.01) A61F 2/91 (2013.01) A61F 2/95 (2013.01) A61F 2/06 (2013.01) A61F 2/24 (2006.01) A61F 2/92 (2013.01)**
[25] EN
[54] **DELIVERY AND RETRIEVAL DEVICES AND METHODS FOR SIDE-DELIVERABLE TRANSCATHETER PROSTHETIC VALVES**
[54] **DISPOSITIFS D'ADMINISTRATION ET DE RECUPERATION ET PROCEDES POUR VALVULES PROTHETIQUES TRANSCATHETER A POSE LATERALE**
[72] VIDLUND, ROBERT, US
[72] CHRISTIANSON, MARK, US
[72] SAIKRISHNAN, NEELAKANTAN, US
[72] KRAMER, SCOTT, US
[72] PERRIN, CHAD, US
[72] HARDER, LUCAS, US
[72] HOLTAN, DAVID, US
[72] EKVALL, CRAIG, US
[72] VIDLUND, CAMERON, US
[71] VDYNE, INC., US
[85] 2022-02-21
[86] 2020-08-20 (PCT/US2020/047162)
[87] (WO2021/035032)
[30] US (62/889,327) 2019-08-20
[30] US (62/891,964) 2019-08-27
[30] US (63/027,345) 2020-05-19
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[54] **FEEDERHOUSE ASSEMBLIES HAVING BIASED LOCK PINS, AGRICULTURAL HARVESTERS, AND RELATED METHODS**
[54] **ENSEMBLES CHAMBRE D'ALIMENTATION AYANT DES ERGOTS D'ARRET SOLLICITES, MOISSONNEUSES AGRICOLES, ET PROCEDES ASSOCIES**
[72] CARPENEDO, MARCELO, BR
[71] AGCO DO BRASIL SOLUCOES AGRICOLAS LTDA, BR
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[54] **REMEDIATED OILS**
[54] **HUILES DEPOLLUEES**
[72] COLVIN, SEAN, US
[72] DAVIS, ROBERT, US
[72] BLACK, JACOB, US
[72] SMELTZER, THOMAS, US
[72] EVANYO, JOHN, US
[71] TREEHOUSE BIOSCIENCES, INC., US
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[54] **LINEAR ACTUATOR**
[54] **ACTIONNEUR LINEAIRE**
[72] KALVATN, OVE, NO
[72] MOKRZYCKI, ADAM, NO
[72] ELLINGSEN, JAN, NO
[71] EXCESS ENGINEERING AS, NO
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[54] **METHODS AND APPARATUS FOR PULSE ARC STARTING PHASE FOR WELDING**
[54] **PROCEDES ET APPAREIL POUR UNE PHASE DE DEMARRAGE A ARC PULSE POUR SOUDAGE**
[72] LIU, SHUANG, US
[72] MEHN, PETER, US
[72] DAVIDSON, ROBERT, US
[71] ILLINOIS TOOL WORKS INC., US
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[30] US (62/894,177) 2019-08-30
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[25] EN
[54] **FRONT STRUCTURE FOR AN ELECTRIC VEHICLE**
[54] **STRUCTURE AVANT POUR UN VEHICULE ELECTRIQUE**
[72] SOTTY, ALEXANDRE, FR
[72] SCHNEIDER, NICOLAS, FR
[72] DROUADAINE, YVES, FR
[72] GIBEAU, ELIE, FR
[71] ARCELORMITTAL, LU
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[54] **ACTUATOR AND LIFT SYSTEM FOR A CAMPER TRAILER**
[54] **ACTIONNEUR ET SYSTEME DE LEVAGE POUR UN ATTELAGE DE CARAVANE**
[72] BADMAN, STUART, AU
[72] BADMAN, MALCOLM, AU
[71] JACKA INDUSTRIES PTY LTD, AU
[85] 2022-02-16
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[54] **LIVESTOCK HEALTH MONITORING SYSTEM AND METHOD OF USE**
[54] **SYSTEME DE SURVEILLANCE DE LA SANTE DU BETAIL ET PROCEDE D'UTILISATION**
[72] GREER, JOHN M., US
[72] CRIDER, JR., RICHARD A., US
[72] FULTS, ALVIN C., US
[71] FEVERTAGS LLC, US
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[54] **GOLF BALL COMPRISING A LIGHTWEIGHT CORE**
[54] **BALLE DE GOLF COMPRENANT UN NOYAU LEGER**
[72] PEREGOY, KELLEY, US
[71] PEREGOY, KELLEY, US
[85] 2022-02-21
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[25] EN
[54] **AN IMMUNOTHERAPEUTIC FOR PROSTATE CANCER TREATMENT**
[54] **AGENT IMMUNOTHERAPEUTIQUE POUR LE TRAITEMENT DU CANCER DE LA PROSTATE**
[72] MILLER, KEITH DOUGLAS, US
[72] BOGDEN, ROBERT, US
[71] HEXAMER THERAPEUTICS, INC., US
[85] 2022-02-21
[86] 2020-09-10 (PCT/US2020/050194)
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[30] US (62/899,553) 2019-09-12

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[25] EN
[54] **COMPOSITIONS AND METHODS FOR IN VIVO GENE EDITING**
[54] **COMPOSITIONS ET PROCEDES POUR L'EDITION DE GENES IN VIVO**
[72] IZPISUA BELMONTE, JUAN CARLOS, US
[72] SUZUKI, KEIICHIRO, US
[72] TSUJI, MAKO, US
[72] HERNANDEZ-BENITEZ, REYNA, US
[71] SALK INSTITUTE FOR BIOLOGICAL STUDIES, US
[85] 2022-02-22
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR DETECTING AND DEPLETING SAMPLE INTERFERENCES**
[54] **COMPOSITIONS ET METHODES DE DETECTION ET D'APPAUVRISSEMENT D'INTERFERENCES D'ECHANTILLON**
[72] CAINE SOLDO, JOSHUA, US
[72] DOUGLAS BERGMANN, SCOTT, US
[72] NELSON, ERIC, US
[71] VERAVAS, INC., US
[85] 2022-02-22
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[54] **IDENTITY AUTHENTICATION AND PROCESSING**
[54] **AUTHENTIFICATION ET TRAITEMENT D'IDENTITE**
[72] LEVINE, ERIC, US
[72] KIRKHAM, STEPHEN, US
[71] BERBIX INC., US
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[86] 2020-07-27 (PCT/US2020/043672)
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[25] EN
[54] **SYSTEMS AND METHODS FOR DISABLING SERVICES IN A CLUSTER**
[54] **SYSTEMES ET PROCEDES POUR DESACTIVER DES SERVICES DANS UNE GRAPPE**
[72] CHAUDHARY, AMAN, US
[72] SRIMITHRA, VEMULA, US
[72] N, RAGHAV S., US
[72] JOSHI, RAJESH, US
[71] CITRIX SYSTEMS, INC., US
[85] 2022-02-22
[86] 2020-07-29 (PCT/US2020/044048)
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[30] US (62/891,713) 2019-08-26
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[54] **HIGH-AFFINITY TCR FOR RECOGNIZING SSX2 ANTIGEN**
[54] **TCR A HAUTE AFFINITE POUR RECONNAITRE UN ANTIGENE SSX2**
[72] CHEN, SHAOPEI, CN
[72] SUN, HANLI, CN
[71] XLIFESC, LTD., CN
[85] 2022-02-22
[86] 2020-08-21 (PCT/CN2020/110446)
[87] (WO2021/036924)
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[54] **PEPTIDE AMIDE COMPOSITION AND PREPARATION METHOD THEREFOR**
[54] **COMPOSITION D'AMIDE PEPTIDIQUE ET SON PROCEDE DE PREPARATION**
[72] MO, YI, CN
[72] LI, HONGHU, CN
[72] ZHANG, LI, CN
[72] MA, XIANGLING, CN
[72] ZHAO, CAN, CN
[71] SICHUAN HAISCO PHARMACEUTICAL CO., LTD., CN
[71] LIAONING HAISCO PHARMACEUTICAL CO., LTD., CN
[71] HAISCO PHARMACEUTICAL GROUP ING., CN
[85] 2022-02-22
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[25] EN
[54] **A CONTROL SYSTEM AND METHOD OF CONTROLLING TOWED MARINE OBJECT**
[54] **SYSTEME DE COMMANDE ET PROCEDE DE COMMANDE D'OBJET MARIN REMORQUE**
[72] HYSTAD, MAGNE, NO
[71] KARMOY WINCH AS, NO
[85] 2022-02-22
[86] 2020-08-21 (PCT/NO2020/050212)
[87] (WO2021/040530)
[30] NO (20191019) 2019-08-23

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[25] EN
[54] **TREATMENT OF MENSTRUAL CYCLE-INDUCED SYMPTOMS**
[54] **TRAITEMENT DE SYMPTOMES INDUITS PAR LE CYCLE MENSTRUEL**
[72] JANSSEN, MEREL, NL
[72] JANSSEN, EDGAR STIJN JOCHEM, NL
[72] GOLAN, EZEKIEL, CA
[71] PERIOD PILL BV, NL
[85] 2022-02-22
[86] 2020-08-26 (PCT/IB2020/057967)
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[30] US (62/891,438) 2019-08-26

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[51] **Int.Cl. A61M 16/00 (2006.01) A61B 5/087 (2006.01)**
[25] EN
[54] **SMART OSCILLATING POSITIVE EXPIRATORY PRESSURE DEVICE**
[54] **DISPOSITIF INTELLIGENT A PRESSION EXPIRATOIRE POSITIVE OSCILLANTE**
[72] ALIZOTI, NERITAN, CA
[72] NOWAK, BART, CA
[72] SUGGETT, JASON, CA
[71] TRUDELL MEDICAL INTERNATIONAL, CA
[85] 2022-02-22
[86] 2020-08-26 (PCT/IB2020/057984)
[87] (WO2021/038467)
[30] US (62/892,355) 2019-08-27

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[25] EN
[54] **DISTRIBUTED COMPUTING SYSTEM FOR INTENSIVE VIDEO PROCESSING**
[54] **SYSTEME INFORMATIQUE DISTRIBUE POUR TRAITEMENT VIDEO INTENSIF**
[72] MATANIE, NORBERT, RO
[72] MADUTA, SERBAN, RO
[72] CIUBOTARU, BOGDAN, IE
[71] EVERSEEN LIMITED, IE
[85] 2022-02-22
[86] 2020-09-04 (PCT/IB2020/058254)
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[30] US (62/896,661) 2019-09-06

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[25] EN
[54] **WET PREPARATION OF RADIOTHERAPY SOURCES**
[54] **PREPARATION HUMIDE DE SOURCES DE RADIOTHERAPIE**
[72] SCHMIDT, MICHAEL, IL
[72] KELSON, ITZHAK, IL
[71] ALPHA TAU MEDICAL LTD., IL
[85] 2022-02-22
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[25] EN
[54] **MULTI-PHY SYNCHRONIZED DIVERSITY RECEIVER**
[54] **DISPOSITIF DE RECEPTION EN DIVERSITE SYNCHRONISE MULTI-PHY**
[72] MATTHEWS, JUSTIN CLIFFORD, AU
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2022-02-22
[86] 2020-08-13 (PCT/US2020/046087)
[87] (WO2021/041040)
[30] US (16/551,462) 2019-08-26

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[54] **USE OF RECYCLED POLYETHYLENE IN CLOSURES FOR BOTTLES**
[54] **UTILISATION DE POLYETHYLENE RECYCLE DANS DES CAPSULES POUR BOUTEILLES**
[72] WANG, XIAOCHUAN, CA
[72] WUNDERLICH, BRANT, CA
[72] WASYLENKO, DEREK, CA
[72] TIKUISIS, TONY, CA
[72] ARNOULD, GILBERT, CA
[71] NOVA CHEMICALS CORPORATION, CA
[85] 2022-02-22
[86] 2020-10-13 (PCT/IB2020/059603)
[87] (WO2021/074785)
[30] US (62/915,730) 2019-10-16

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[51] **Int.Cl. A23B 7/00 (2006.01) A23L 19/00 (2016.01) A23L 33/10 (2016.01) A23P 20/10 (2016.01) A23B 7/153 (2006.01) A23B 7/154 (2006.01) A23B 7/157 (2006.01) A23B 7/16 (2006.01) C12N 1/04 (2006.01)**
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[54] **GOODS PROTECTION INSERT AND USES THEREOF**
[54] **INSERT DE PROTECTION DE MARCHANDISES ET SES UTILISATIONS**
[72] HAMMER, IFAT, IL
[71] LIVA BIO PROTECTION TECHNOLOGIES LTD, IL
[85] 2022-02-22
[86] 2020-08-20 (PCT/IL2020/050916)
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[30] IL (268855) 2019-08-22

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[51] **Int.Cl. G02C 7/02 (2006.01) G02B 3/10 (2006.01)**
[25] EN
[54] **OPHTHALMIC LENSES FOR REDUCING, MINIMIZING, AND/OR ELIMINATING INTERFERENCE ON IN-FOCUS IMAGES BY OUT-OF-FOCUS LIGHT**
[54] **LENTILLES OPHTALMIQUES PERMETTANT DE REDUIRE, DE MINIMISER, ET/OU D'ELIMINER LES INTERFERENCES SUR DES IMAGES FOCALISEES AU MOYEN D'UNE LUMIERE HORS FOYER**
[72] BACK, ARTHUR, US
[72] ESFANDIARIJAHROMI, HASSAN, AU
[71] BRIEN HOLDEN VISION INSTITUTE LIMITED, AU
[85] 2022-02-22
[86] 2020-08-21 (PCT/IB2020/057863)
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[30] US (62/890,809) 2019-08-23

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[51] **Int.Cl. A61B 18/02 (2006.01) A61F 7/00 (2006.01)**
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[54] **CRYOSONDE**
[72] RAMADHYANI, SATISH, US
[72] TRUMER, DROR, IL
[72] BLEIWIES, MODECHAY, IL
[71] BIOCOMPATIBLES UK LIMITED, GB
[85] 2021-09-24
[86] 2020-03-24 (PCT/US2020/024374)
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[51] **Int.Cl. A47F 5/16 (2006.01) F16B 12/02 (2006.01) F16B 12/44 (2006.01)**
[25] EN
[54] **A BOX PLINTH AND METHOD OF ASSEMBLY**
[54] **PLINTHE ET PROCEDE D'ASSEMBLAGE**
[72] BOOTHBY, JOHN, AU
[71] BOOTHBY, JOHN, AU
[85] 2022-02-23
[86] 2020-08-25 (PCT/AU2020/050890)
[87] (WO2021/035296)
[30] AU (2019903113) 2019-08-26

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[25] EN
[54] **ENGINE CONTROL DEVICE FOR INDUSTRIAL VEHICLE**
[54] **DISPOSITIF DE COMMANDE DE MOTEUR POUR VEHICULE INDUSTRIEL**
[72] TAKI, YASUHIRO, JP
[71] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP
[85] 2022-02-22
[86] 2020-08-25 (PCT/JP2020/031909)
[87] (WO2021/044892)
[30] JP (2019-161525) 2019-09-04

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[51] **Int.Cl. A61M 39/16 (2006.01) A61J 1/14 (2006.01) A61L 2/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR STERILE CONNECTIONS OR CONDUITS**
[54] **APPAREIL ET METHODES POUR CONNEXIONS OU CONDUITS STERILES**
[72] DEVITT, SHAUN R., US
[72] DECHELETTE, ALEXIS M., US
[72] KING, ANDREW N., US
[72] MARLIN, ARTHUR G., US
[71] NEUMA LLC, US
[85] 2021-10-22
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[30] US (62/839,492) 2019-04-26

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[25] EN
[54] **MICROORGANISMS FOR TREATMENT OF WASTE, WATER, OR SOIL OR FOR FEEDING TO ANIMALS**
[54] **MICRO-ORGANISMES POUR LE TRAITEMENT DE DECHETS, D'EAU OU DE SOL OU POUR L'ALIMENTATION D'ANIMAUX**
[72] KING, MICHAEL R., US
[72] SON, SONA, US
[72] HEILE, CLAIRE, US
[71] MICROBIAL DISCOVERY GROUP, LLC, US
[85] 2022-02-22
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[87] (WO2021/041603)
[30] US (62/892,150) 2019-08-27
[30] US (63/020,507) 2020-05-05

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[51] **Int.Cl. A43B 13/14 (2006.01)**
[25] EN
[54] **DUAL-LAYERED MIDSOLE**
[54] **SEMELLE INTERCALAIRE A DEUX COUCHES**
[72] OLESON, MARK ARTHUR, US
[72] NOTRICA, MICHAEL ANDREW, US
[72] LAM, CHRISTOPHER KA-YIN, US
[72] STESZYN, MICHAEL, US
[72] HUDSON, PETER ANDREW, US
[71] LULULEMON ATHLETICA CANADA INC., CA
[85] 2022-02-23
[86] 2020-08-28 (PCT/CA2020/051185)
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[30] US (62/894,655) 2019-08-30

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[54] **NON-OPIOID COMPOSITIONS AND THERAPIES FOR PAIN MANAGEMENT**
[54] **COMPOSITIONS NON-OPIOIDES ET THERAPIES POUR LA GESTION DE LA DOULEUR**
[72] HIGH, KARIN WESTLUND, US
[72] DURVASULA, RAVI VENKATA, US
[72] KUNAMNENI, ADINARAYANA, US
[71] UNM RAINFOREST INNOVATIONS, US
[71] HIGH, KARIN WESTLUND, US
[71] DURVASULA, RAVI VENKATA, US
[71] KUNAMNENI, ADINARAYANA, US
[85] 2022-02-22
[86] 2020-08-21 (PCT/US2020/047360)
[87] (WO2021/041194)
[30] US (62/890,879) 2019-08-23

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[51] **Int.Cl. B01D 11/04 (2006.01) A23L 5/00 (2016.01) A23L 29/00 (2016.01) A23L 33/00 (2016.01) A23L 33/105 (2016.01) A61K 9/08 (2006.01) A61K 36/185 (2006.01)**
[25] EN
[54] **INFUSION KIT AND TOOLS AND METHOD FOR USING SAME**
[54] **ENSEMBLE D'INFUSION ET OUTILS ET SON PROCEDE D'UTILISATION**
[72] SEAL, ARON, CA
[71] SEAL, ARON, CA
[85] 2022-02-23
[86] 2020-08-06 (PCT/CA2020/051072)
[87] (WO2021/035334)
[30] US (62/890,785) 2019-08-23

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[51] **Int.Cl. B09B 3/00 (2022.01)**
[25] EN
[54] **AMORPHOUS SILICA PRODUCTS AND GLASS CONTAINERS FROM CONCRETE AND METHODS THEREFOR**
[54] **PRODUITS DE SILICE AMORPHE ET RECIPIENTS EN VERRE A BASE DE BETON ET PROCEDES ASSOCIES**
[72] TROM, SCOTT D., US
[71] XARIS HOLDINGS, LLC, US
[71] TROM, SCOTT D., US
[85] 2022-02-22
[86] 2020-08-24 (PCT/US2020/047592)
[87] (WO2021/035204)
[30] US (16/548,195) 2019-08-22

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[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/40 (2020.01) A24F 40/50 (2020.01)**
[25] EN
[54] **CERAMIC CORE FOR VAPORIZATION DEVICE**
[54] **NOYAU CERAMIQUE POUR DISPOSITIF DE VAPORISATION**
[72] ALSAYAR, MAX, CA
[72] WOODS, PATRICK, CA
[72] DEGRACE, GUY, CA
[71] HEXO OPERATIONS INC., CA
[85] 2022-02-23
[86] 2020-08-27 (PCT/CA2020/051171)
[87] (WO2021/035355)
[30] US (62/894,045) 2019-08-30

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[51] **Int.Cl. C03C 15/00 (2006.01) C03C 17/32 (2006.01) C03C 21/00 (2006.01)**
[25] EN
[54] **AMORPHOUS SILICA PRODUCTS AND METHODS OF PRODUCING AMORPHOUS SILICA PRODUCTS**
[54] **PRODUITS DE SILICE AMORPHE ET PROCEDES DE PRODUCTION DE PRODUITS DE SILICE AMORPHE**
[72] TROM, SCOTT D., US
[72] PIKE, BERNARD G., US
[71] XARIS HOLDINGS, LLC, US
[71] TROM, SCOTT D., US
[71] PIKE, BERNARD G., US
[85] 2022-02-22
[86] 2020-08-24 (PCT/US2020/047610)
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[30] US (16/547,965) 2019-08-22

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[25] EN
[54] **USE OF ORGANIC ACIDS IN ARTISAN BREAD PRODUCTION**
[54] **UTILISATION D'ACIDES ORGANIQUES DANS LA PRODUCTION DE PAIN ARTISANAL**
[72] BOCK, JAYNE ERIN, US
[72] PEREZ GONZALEZ, ALEJANDRO JOSE, MX
[72] BILLIG, JEFF, US
[72] MOSHFEGHIAN, MILAD, CA
[71] BARTEK INGREDIENTS INC, CA
[85] 2022-02-23
[86] 2020-08-28 (PCT/CA2020/051178)
[87] (WO2021/035361)
[30] US (62/893,858) 2019-08-30

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[51] **Int.Cl. B65D 81/34 (2006.01) A47J 27/00 (2006.01) A47J 36/02 (2006.01) A47J 36/06 (2006.01) A47J 36/38 (2006.01)**
[25] EN
[54] **FOOD STORAGE AND COOKING VESSEL WITH A VALVE**
[54] **RECIPIENT DE STOCKAGE ET DE CUISSON D'ALIMENTS A SOUPAPE**
[72] CHENG, STANLEY KIN SUI, US
[71] MEYER INTELLECTUAL PROPERTIES LTD., CN
[71] CHENG, STANLEY KIN SUI, US
[85] 2022-02-22
[86] 2020-08-25 (PCT/US2020/047820)
[87] (WO2021/041426)
[30] US (62/894,232) 2019-08-30

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[51] **Int.Cl. A43B 13/14 (2006.01) A43B 5/06 (2006.01) A43D 27/00 (2006.01) A43D 999/00 (2006.01)**
[25] EN
[54] **SEGMENTED SOLE FOR FOOTWEAR**
[54] **SEMELLE SEGMENTEE POUR ARTICLE CHAUSSANT**
[72] OLESON, MARK ARTHUR, US
[72] NOTRICA, MICHAEL ANDREW, US
[72] LAM, CHRISTOPHER KA-YIN, US
[72] JOHNSTON, DONALD TAYLOR, US
[72] RUEEGGER, PETER, US
[72] LUTHI, SIMON MARKUS, US
[72] STESZYN, MICHAEL, US
[71] LULULEMON ATHLETICA CANADA INC., CA
[85] 2022-02-23
[86] 2020-08-28 (PCT/CA2020/051183)
[87] (WO2021/035363)
[30] US (62/894,653) 2019-08-30

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[51] **Int.Cl. C08L 25/06 (2006.01) B22F 9/24 (2006.01) C08J 3/075 (2006.01) C08K 3/08 (2006.01) C08L 89/00 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **LIGHT GOLD**
[54] **OR LEGER**
[72] VAN 'T HAG, LEONIE, NL
[72] MEZZENGA, RAFFAELE, CH
[71] ETH ZURICH, CH
[85] 2022-02-23
[86] 2020-08-26 (PCT/EP2020/073857)
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[30] EP (19194693.8) 2019-08-30

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[13] A1
[51] **Int.Cl. C07K 14/72 (2006.01) C12N 15/81 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND USES FOR ENGINEERED THERAPEUTIC MICROBES AND ASSOCIATED RECEPTORS**
[54] **COMPOSITIONS ET UTILISATIONS DE MICROBES THERAPEUTIQUES MODIFIES ET DE RECEPTEURS ASSOCIES**
[72] QUINTANA, FRANCISCO J., US
[72] SCOTT, BENJAMIN M., CA
[72] PEISAJOVICH, SERGIO G., US
[72] CHANG, BELINDA S.W., CA
[71] THE BRIGHAM & WOMEN'S HOSPITAL, INC., US
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2022-02-22
[86] 2020-08-26 (PCT/US2020/048049)
[87] (WO2021/041575)
[30] US (62/891,603) 2019-08-26

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[51] **Int.Cl. A61K 49/10 (2006.01) C07D 471/08 (2006.01) C07F 13/00 (2006.01)**
[25] EN
[54] **MANGANESE CHELATE ISOMERS**
[54] **ISOMERES DE CHELATE DE MANGANESE**
[72] BALES, BRIAN, C, US
[72] RISHEL, MICHAEL, JAMES, US
[72] DINN, SEAN, R, US
[71] GE HEALTHCARE AS, NO
[85] 2022-02-23
[86] 2020-09-03 (PCT/EP2020/074645)
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[30] US (62/895,121) 2019-09-03

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[25] EN
[54] **MANAGEMENT OF CONDITIONS OTHER THAN MULTIPLE SCLEROSIS IN OFATUMUMAB-TREATED PATIENTS**
[54] **GESTION D'ETATS AUTRES QUE LA SCLEROSE EN PLAQUES CHEZ DES PATIENTS TRAITES PAR L'OFATUMUMAB**
[72] MERSCHHEMKE, MARTIN, CH
[72] PINGILI, RATNAKAR, US
[71] NOVARTIS AG, CH
[85] 2022-02-23
[86] 2020-09-10 (PCT/EP2020/075331)
[87] (WO2021/048279)
[30] EP (19196789.2) 2019-09-11
[30] EP (20158885.2) 2020-02-21
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[30] EP (20169007.0) 2020-04-09
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[51] **Int.Cl. E21B 43/12 (2006.01) E21B 33/13 (2006.01) E21B 33/138 (2006.01) E21B 47/06 (2012.01)**
[25] EN
[54] **INTER-CASING PRESSURE CONTROL SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE REGULATION DE PRESSION ENTRE TUBAGE**
[72] LAMASCUS, STANLEY, CA
[72] THORBURN, MALCOLM, GB
[72] COTTRELL, COLIN, KZ
[71] INTER-CASING PRESSURE CONTROL INC., CA
[85] 2022-02-23
[86] 2020-08-31 (PCT/CA2020/051190)
[87] (WO2021/042205)
[30] US (62/895,635) 2019-09-04

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[51] **Int.Cl. B01J 23/20 (2006.01) B01J 35/02 (2006.01) B01J 37/02 (2006.01) B01J 37/06 (2006.01) B01J 37/08 (2006.01) C07C 1/20 (2006.01) C07C 1/207 (2006.01) C07C 11/167 (2006.01)**
[25] EN
[54] **SUPPORTED TANTALUM CATALYST FOR THE PRODUCTION OF 1,3-BUTADIENE**
[54] **CATALYSEUR A BASE DE TANTALE SUPPORTE POUR LA PRODUCTION DE 1,3-BUTADIENE**
[72] JANKOWIAK, EWELINA, PL
[72] SKOWRONEK, SZYMON, PL
[72] ZAPALA, PIOTR, PL
[71] SYNTHOS DWORY 7 SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA SPOLKA JAWNA, PL
[85] 2022-02-23
[86] 2020-09-15 (PCT/EP2020/075778)
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[51] **Int.Cl. A61K 35/12 (2015.01) B01D 15/18 (2006.01) B01D 21/28 (2006.01) B01L 3/00 (2006.01) G01N 1/34 (2006.01)**
[25] EN
[54] **ACOUSTIC AFFINITY CELL SELECTION FOR MULTIPLE TARGET RECEPTORS**
[54] **SELECTION DE CELLULES D'AFFINITE ACOUSTIQUE POUR DE MULTIPLES RECEPTEURS CIBLES**
[72] TOSTOES, RUI, US
[72] LIPKENS, BART, US
[72] CHITALE, KEDAR C., US
[72] ROSS-JOHNSRUD, BENJAMIN, US
[72] PRESZ, WALTER M., JR., US
[72] SALOIO, JACK, US
[71] FLODESIGN SONICS, INC., US
[85] 2022-02-22
[86] 2020-08-27 (PCT/US2020/048126)
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[30] US (63/101,227) 2019-08-30

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[51] **Int.Cl. G01N 27/12 (2006.01) G01N 27/414 (2006.01)**
[25] EN
[54] **MANUFACTURING PROCESS FOR MULTI-PIXEL GAS MICROSENSORS WITH MULTIPLE SENSING CAPABILITIES**
[54] **PROCEDE DE FABRICATION DE MICROCAPTEURS DE GAZ A PIXELS MULTIPLES AYANT DE MULTIPLES CAPACITES DE DETECTION**
[72] WALEWYNS, THOMAS, BE
[72] FRANCIS, LAURENT, BE
[71] UNIVERSITE CATHOLIQUE DE LOUVAIN, BE
[85] 2022-02-23
[86] 2020-09-17 (PCT/EP2020/076048)
[87] (WO2021/053116)
[30] EP (19198415.2) 2019-09-19

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[13] A1
[51] **Int.Cl. A23L 29/212 (2016.01) C08B 30/14 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF PREGELATINIZED STARCH AND/OR PREGELATINIZED FLOUR**
[54] **PROCEDE DE PREPARATION D'AMIDON PREGELATINISE ET/OU DE FARINE PREGELATINISEE**
[72] LEVECKE, BART, BE
[72] DE VLEESCHOUWER, KRISTEL, BE
[71] BENEO REMY, BE
[85] 2022-02-23
[86] 2020-09-24 (PCT/EP2020/076781)
[87] (WO2021/058680)
[30] EP (19199285.8) 2019-09-24

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[13] A1
[51] **Int.Cl. G01V 3/08 (2006.01) G06N 20/10 (2019.01) G01V 3/10 (2006.01)**
[25] EN
[54] **PASSIVE MAGNETIC DETECTION AND DISCRIMINATION FOR SECURITY SCREENING**
[54] **DETECTION ET DISCRIMINATION MAGNETIQUES PASSIVES POUR FILTRAGE DE SECURITE**
[72] ZHANG, YONGMING, US
[72] DICKEY, ROBERT, US
[71] PATRIOT ONE TECHNOLOGIES INC., CA
[85] 2021-12-06
[86] 2020-06-08 (PCT/US2020/036693)
[87] (WO2020/247947)
[30] US (62/858,055) 2019-06-06

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[51] **Int.Cl. H01M 8/0247 (2016.01) H01M 8/1246 (2016.01) H01M 8/241 (2016.01) C25B 9/65 (2021.01) C25B 9/73 (2021.01) C25B 13/07 (2021.01)**
[25] EN
[54] **SOLID OXIDE CELL STACK WITH A PRESSURE DIFFERENCE BETWEEN ANODE AND CATHODE COMPARTMENTS**
[54] **EMPILEMENT DE PILES A OXYDE SOLIDE AVEC UNE DIFFERENCE DE PRESSION ENTRE DES COMPARTIMENTS D'ANODE ET DE CATHODE**
[72] KUNGAS, RAINER, EE
[72] HEIREDAL-CLAUSEN, THOMAS, DK
[72] BLENNOW, BENGT PETER GUSTAV, DK
[72] NORBY, TOBIAS HOLT, DK
[72] RASS-HANSEN, JEPPE, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2022-02-23
[86] 2020-10-07 (PCT/EP2020/078152)
[87] (WO2021/083625)
[30] EP (19205619.0) 2019-10-28

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[13] A1
[51] **Int.Cl. E06B 5/16 (2006.01)**
[25] EN
[54] **CLOSURE SYSTEM FOR DOOR OPENINGS**
[54] **SYSTEME DE FERMETURE DE BAIES DE PASSAGE**
[72] IGLESIAS BALLESTER, MIGUEL ANGEL, ES
[71] AMISERRU, S.L., ES
[85] 2022-02-23
[86] 2021-01-22 (PCT/ES2021/070046)
[87] (WO2021/152194)
[30] ES (P202030065) 2020-01-28

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[13] A1
[51] **Int.Cl. A01D 90/10 (2006.01) A01D 90/12 (2006.01) A01F 25/13 (2006.01) A01F 25/14 (2006.01)**
[25] EN
[54] **BALE HANDLING APPARATUS WITH WRAP REMOVER**
[54] **APPAREIL DE MANIPULATION DE BALLES AVEC DISPOSITIF D'ENLEVEMENT D'ENVELOPPE**
[72] WEMHOFF, SCOTT, US
[72] HILL, LEONARD, US
[71] HILLCO TECHNOLOGIES, INC., US
[85] 2022-02-22
[86] 2020-08-26 (PCT/US2020/047982)
[87] (WO2021/041530)
[30] US (62/892,455) 2019-08-27

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[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR POST-OCCLUSION BOLUS REDUCTION**
[54] **SYSTEMES ET PROCEDES DE REDUCTION DE BOLUS POST-OCCLUSION**
[72] PAI, SAMEER, US
[72] COONS, PAUL HARRISON, US
[72] ADAMS, GRANT, US
[72] MORRISON, QUINN, US
[71] SMITHS MEDICAL ASD, INC., US
[85] 2022-02-22
[86] 2020-08-27 (PCT/US2020/070468)
[87] (WO2021/042126)
[30] US (62/892,707) 2019-08-28

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[13] A1
[51] **Int.Cl. G02B 1/04 (2006.01) G02B 5/00 (2006.01) G02B 5/20 (2006.01)**
[25] EN
[54] **LIGHT EMISSION MODIFICATION**
[54] **MODIFICATION D'EMISSION DE LUMIERE**
[72] GARBAR, ARKADY, US
[72] SIMMONS, BONNIE G., US
[72] VISSER, ROBERT, US
[71] EYESAFE INC., US
[85] 2022-02-22
[86] 2020-11-06 (PCT/US2020/059308)
[87] (WO2021/108107)
[30] US (16/695,983) 2019-11-26

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[13] A1
[51] **Int.Cl. H04W 4/70 (2018.01)**
[25] EN
[54] **A GATEWAY FOR COMMUNICATION WITH AN ONBOARDING DEVICE, AND METHODS THEREOF**
[54] **PASSERELLE DE COMMUNICATION AVEC UN DISPOSITIF D'EMBARQUEMENT, ET PROCEDES ASSOCIES**
[72] QUILLIEN, KEVIN ALEXANDRE, GB
[72] CANNON, ALLAN JOHN GAVIN, GB
[72] BREMNER, STEVEN WILLIAM, GB
[72] MACKENZIE, NORMAN LEWIS, GB
[72] POWER, KEVIN, GB
[71] R3 IOT LIMITED, GB
[85] 2022-02-23
[86] 2020-09-01 (PCT/GB2020/052082)
[87] (WO2021/044128)
[30] GB (1912871.9) 2019-09-06
[30] GB (2003535.8) 2020-03-11

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[51] **Int.Cl. B64C 21/04 (2006.01) B64C 9/38 (2006.01) B64C 19/00 (2006.01)**
[25] EN
[54] **VEHICLE CONTROL**
[54] **COMMANDE DE VEHICULE**
[72] WARSOP, CLYDE, GB
[72] LUNNON, IAN, GB
[72] CROWTHER, WILLIAM JAMES, GB
[71] BAE SYSTEMS PLC, GB
[85] 2022-02-23
[86] 2020-09-03 (PCT/GB2020/052104)
[87] (WO2021/044143)
[30] GB (1912638.2) 2019-09-03
[30] EP (19275103.0) 2019-10-22

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[13] A1
[51] **Int.Cl. H01R 13/66 (2006.01) H01R 29/00 (2006.01) H01R 31/06 (2006.01) H01R 43/00 (2006.01) H01R 43/26 (2006.01)**
[25] EN
[54] **CONNECTOR, AND CHARGING CONTROL METHOD USING CONNECTOR**
[54] **CONNECTEUR ET PROCEDE DE COMMANDE DE CHARGE UTILISANT UN CONNECTEUR**
[72] SUN, PENGDA, CN
[71] MATRIXED REALITY TECHNOLOGY CO., LTD., CN
[85] 2022-02-23
[86] 2020-06-04 (PCT/CN2020/094334)
[87] (WO2020/253543)
[30] CN (201910542150.8) 2019-06-21

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[51] **Int.Cl. A61K 31/5375 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 491/04 (2006.01)**
[25] EN
[54] **NEW HETEROCYCLIC MONOACYLGLYCEROL LIPASE (MAGL) INHIBITORS**
[54] **NOUVEAUX INHIBITEURS HETEROCYCLIQUES DE LA MONOACYLGLYCEROL LIPASE (MAGL)**
[72] GOBBI, LUCA, CH
[72] GRETHER, UWE, CH
[72] GROEBKE ZBINDEN, KATRIN, CH
[72] HORNSPERGER, BENOIT, CH
[72] KROLL, CARSTEN, CH
[72] KUHN, BERND, CH
[72] LUTZ, MARIUS DANIEL RINALDO, CH
[72] O'HARA, FIONN, CH
[72] RICHTER, HANS, CH
[72] RITTER, MARTIN, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-02-23
[86] 2020-09-22 (PCT/EP2020/076347)
[87] (WO2021/058445)
[30] EP (19199108.2) 2019-09-24

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[13] A1
[51] **Int.Cl. A61K 6/30 (2020.01) A61K 6/54 (2020.01) A61K 6/60 (2020.01) A61K 6/62 (2020.01) A61K 6/887 (2020.01)**
[25] EN
[54] **DENTAL COMPOSITION**
[54] **COMPOSITION DENTAIRE**
[72] KLEE, JOACHIM E., DE
[72] SZILLAT, FLORIAN, DE
[72] KIRSCHNER, JULIE, FR
[72] LALEVEE, JACQUES, FR
[71] DENTSPLY SIRONA INC., US
[71] DENTSPLY DETREY GMBH, DE
[85] 2022-02-23
[86] 2020-08-28 (PCT/EP2020/025386)
[87] (WO2021/037396)
[30] EP (19194736.5) 2019-08-30

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[51] **Int.Cl. B65B 67/12 (2006.01)**
[25] EN
[54] **CASSETTE FOR DISPENSING PLEATED TUBING**
[54] **CASSETTE DE DISTRIBUTION DE TUBE PLISSE**
[72] DUNN, STEVEN BRYAN, US
[72] JOHNSON, KEVIN DOUGLAS, US
[71] MUNCHKIN, INC., US
[85] 2022-02-22
[86] 2020-10-08 (PCT/US2020/054864)
[87] (WO2021/072132)
[30] US (62/912,567) 2019-10-08
[30] US (17/066,349) 2020-10-08

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[13] A1
[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/178 (2006.01) A61M 5/20 (2006.01)**
[25] EN
[54] **TEMPERATURE INDICATOR FOR DRUG DELIVERY DEVICE**
[54] **INDICATEUR DE TEMPERATURE POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] LEE, HEEJIN, US
[72] GROSZMANN, DANIEL EDUARDO, US
[72] MOBERG, SHELDON B., US
[72] BONAKDAR, MOHAMMAD, US
[72] OHLENSCHLAGER, RASMUS, US
[71] AMGEN INC., US
[85] 2022-02-22
[86] 2020-09-29 (PCT/US2020/053191)
[87] (WO2021/071694)
[30] US (62/912,462) 2019-10-08
[30] US (62/936,082) 2019-11-15

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[13] A1
[51] **Int.Cl. A61K 31/4178 (2006.01) A61K 31/4439 (2006.01) A61K 31/506 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 13/12 (2006.01) A61P 19/02 (2006.01) A61P 37/06 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01) C07D 409/10 (2006.01) C07D 409/14 (2006.01)**
[25] EN
[54] **NEW COMPOUNDS**
[54] **NOUVEAUX COMPOSES**
[72] FEX, TOMAS, SE
[72] OHLSSON, BENGT, SE
[71] VICORE PHARMA AB, SE
[85] 2022-02-23
[86] 2020-09-18 (PCT/GB2020/052261)
[87] (WO2021/053344)
[30] GB (1913603.5) 2019-09-20

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[13] A1
[51] **Int.Cl. H01R 13/66 (2006.01) G06F 13/40 (2006.01) H01R 27/02 (2006.01)**
[25] EN
[54] **CONNECTOR AND SECOND ELECTRONIC DEVICE COMPRISING SAME**
[54] **CONNECTEUR ET SECOND DISPOSITIF ELECTRONIQUE COMPRENANT LEDIT CONNECTEUR**
[72] SUN, PENGDA, CN
[71] MATRIXED REALITY TECHNOLOGY CO., LTD., CN
[85] 2022-02-23
[86] 2020-06-04 (PCT/CN2020/094335)
[87] (WO2020/253544)
[30] CN (201910542389.5) 2019-06-21

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[54] **PARENTERAL NUTRITION FORMULATION WITH OPTIMIZED AMINO ACID AND GLUCOSE CONTENT**
[54] **FORMULATION DE NUTRITION PARENTERALE PRESENTANT UNE TENEUR OPTIMISEE EN ACIDE AMINE ET EN GLUCOSE**
[72] PINOIE, VANJA, US
[72] SHARMA, PREETI, US
[72] JAKUBOWSKI, JULIANNA ROTH, US
[72] BROWN, MARY HISE, US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
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[54] **METHOD AND APPARATUS FOR FILTERING HEAT TRANSFER FLUID FROM A MONOETHYLENE GLYCOL STREAM**
[54] **PROCEDE ET APPAREIL PERMETTANT DE FILTRER UN FLUIDE DE TRANSFERT DE CHALEUR A PARTIR D'UN FLUX DE MONOETHYLENE GLYCOL**
[72] GHORBANI, NASSER, US
[71] SCHLUMBERGER CANADA LIMITED, CA
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[54] **INFANT SWADDLE SACK WITH HARNESS**
[54] **SAC A EMMAILLOTER POUR NOURRISSON AVEC HARNAIS**
[72] KARP, HARVEY NEIL, US
[72] KARP, NINA MONTEE, US
[71] HB INNOVATIONS, INC., US
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[54] **METHOD AND APPARATUS FOR CONTROLLING FLOW OF SERVICE INTERFACE, AND COMPUTER DEVICE AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE COMMANDE DU FLUX D'UNE INTERFACE DE SERVICE, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] ZHOU, WENBING, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-02-23
[86] 2020-06-19 (PCT/CN2020/096995)
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[51] **Int.Cl. A61K 35/19 (2015.01)**
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[54] **METHOD OF PREPARING A DE-FIBRINATED PLATELET LYSATE, AND USES OF SAID METHOD**
[54] **PROCEDE DE PREPARATION D'UN LYSAT DE PLAQUETTES SANS FIBRINE ET UTILISATIONS DUDIT PROCEDE**
[72] AWIDI, ABDALLA S., US
[72] JAFAR, HANAN, JO
[71] AWIDI, ABDALLA S., US
[71] JAFAR, HANAN, JO
[85] 2022-02-22
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[54] **CUTTING TOOLS FOR HARVESTING HEADER DIVIDERS, HARVESTING HEADERS CARRYING SUCH TOOLS, AND RELATED METHODS**
[54] **OUTILS DE COUPE POUR SEPARATEURS DE BEC CUEILLEUR DE RECOLTE, BECS CUEILLEURS DE RECOLTE PORTANT DE TELS OUTILS, ET PROCEDES ASSOCIES**
[72] LOHRENTZ, RANDALL, US
[72] GLEASON, TYLER, US
[72] THOMPSON, WILLIAM, US
[72] KURKOWSKI, KYE, US
[71] AGCO CORPORATION, US
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[25] EN
[54] **AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR PERFORMING CHROMA DEBLOCKING FOR BLOCKS WHICH USE JOINT CHROMA CODING**
[54] **ENCODEUR, DECODEUR ET PROCEDES CORRESPONDANTS POUR EFFECTUER UN DEGROUPAGE DE CHROMINANCE POUR DES BLOCS QUI UTILISENT UN CODAGE DE CHROMINANCE JOINTE**
[72] KOTRA, ANAND MEHER, DE
[72] ALSHINA, ELENA ALEXANDROVNA, DE
[72] ESENLIK, SEMIH, DE
[72] WANG, BIAO, DE
[72] GAO, HAN, DE
[72] CHERNYAK, ROMAN IGOREVICH, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **PORTABLE CONTAINER SYSTEM AND METHOD OF PRODUCING SAME**
[54] **SYSTEME DE RECIPIENT PORTATIF ET SON PROCEDE DE PRODUCTION**
[72] CHU, JAMES, LOUIS, CN
[72] KWOK, TAK KI, CN
[71] KACEPACK LTD., HK
[85] 2022-02-23
[86] 2020-09-04 (PCT/CN2020/113432)
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[25] EN
[54] **A COMPUTER-IMPLEMENTED METHOD FOR GENERATING A 3-DIMENSIONAL WIREFRAME MODEL OF AN OBJECT COMPRISING A PLURALITY OF PARTS**
[54] **PROCEDE MIS EN □UVRE PAR ORDINATEUR POUR GENERER UN MODELE FIL DE FER TRIDIMENSIONNEL D'UN OBJET COMPRENANT UNE PLURALITE DE PARTIES**
[72] BLAND, IAN RAVENSHAW, CH
[72] SACKER, MAX, DE
[71] SO REAL DIGITAL TWINS AG, CH
[85] 2022-02-23
[86] 2020-04-15 (PCT/IB2020/053552)
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[54] **MEDICAL DEVICE WITH ENERGY HARVESTING SYSTEM**
[54] **DISPOSITIF MEDICAL AVEC SYSTEME DE COLLECTE D'ENERGIE**
[72] ALIZOTI, NERITAN, CA
[72] BENDER, SAM, CA
[72] MEYER, ADAM, CA
[72] NIELSEN, GEOFFREY, CA
[72] NOWAK, BART, CA
[72] SCARROTT, PETER, CA
[71] TRUDELL MEDICAL INTERNATIONAL, CA
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[54] **WALL ANCHORS AND ASSEMBLIES FOR HEAVYWEIGHT OBJECTS**
[54] **ELEMENTS D'ANCRAGE DE PAROI ET ENSEMBLES POUR OBJETS LOURDS**
[72] HOFFMAN, JOSEPH A., US
[72] DAVENPORT, MARIO A., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
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[54] **MANAGEMENT SERVER AND MANAGEMENT PROGRAM**
[54] **SERVEUR DE GESTION ET PROGRAMME DE GESTION**
[72] ITO, YASUYUKI, JP
[71] OMNIVISION CO., LTD., JP
[85] 2022-02-23
[86] 2020-03-31 (PCT/JP2020/014864)
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[54] **NKG2D FUSION PROTEINS AND USES THEREOF**
[54] **PROTEINES DE FUSION NKG2D ET LEURS UTILISATIONS**
[72] EBERSBACH, HILMAR, CH
[72] EGGER, PHILIP, CH
[72] RAMONDOU, EMILIE, CH
[72] SULLIVAN, RYAN, US
[71] NOVARTIS AG, CH
[85] 2022-02-23
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[25] EN
[54] **B-CELL MATURATION COMPLEX CAR T CONSTRUCT AND PRIMERS**
[54] **CONSTRUCTION DE CAR T COMPLEXES DE MATURATION DES LYMPHOCYTES B ET AMORCES**
[72] GEORGE, REBECCA, US
[72] SHEN, DEE, US
[71] JANSSEN BIOTECH, INC., US
[85] 2022-02-23
[86] 2020-08-28 (PCT/IB2020/058070)
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[51] **Int.Cl. A21C 11/24 (2006.01) A23L 7/109 (2016.01)**
[25] EN
[54] **METHOD FOR PRODUCING NOODLE STRANDS WITH WAVY CROSS-SECTION**
[54] **PROCEDE DE PRODUCTION DE BRINS DE NOUILLES A SECTION TRANSVERSALE ONDULEE**
[72] NAGAYAMA, YOSHIAKI, JP
[71] SANYO FOODS CO., LTD., JP
[85] 2022-02-23
[86] 2020-08-17 (PCT/JP2020/031019)
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[25] EN
[54] **PYRIDAZINE COMPOUND AND HERBICIDE**
[54] **COMPOSE DE PYRIDAZINE ET HERBICIDE**
[72] MIHARA, KEN, JP
[72] IKEDA, YOJI, JP
[72] TAKI, YUKINA, JP
[72] KATO, KAZUSHIGE, JP
[71] NIPPON SODA CO., LTD., JP
[85] 2022-02-23
[86] 2020-09-23 (PCT/JP2020/035682)
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[51] **Int.Cl. G06Q 50/00 (2012.01) G06Q 50/20 (2012.01)**
[25] EN
[54] **RESEARCH INFORMATION MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION D'INFORMATIONS DE RECHERCHE**
[72] KABURAGI, ATSUMI, JP
[72] KARITA, TAKAHISA, JP
[72] TERADA, TOKINORI, JP
[71] CHEMITERAS, INC., JP
[85] 2022-02-23
[86] 2020-08-21 (PCT/JP2020/031714)
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[54] **ANTI-MERS-COV ANTIBODY AND USE THEREOF**
[54] **ANTICORPS ANTI-MERS-COV ET SON UTILISATION**
[72] CHUNG, JUNHO, KR
[72] KIM, SANG IL, KR
[72] OH, MYOUNG-DON, KR
[72] PARK, WAN BEOM, KR
[72] KIM, SEUNGTAEK, KR
[72] MIN, JI-YOUNG, KR
[72] KIM, JINHEE, KR
[72] CHANG, SO YOUNG, KR
[72] SHIM, JUNG MIN, KR
[72] KIM, SUJEONG, KR
[71] SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION, KR
[71] INSTITUT PASTEUR KOREA, KR
[85] 2022-02-23
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[25] EN
[54] **AUGER FOR GRINDING POLYURETHANE FOR A TIRE FILLING MACHINE**
[54] **VIS SANS FIN POUR LE BROYAGE DE POLYURETHANE POUR UNE MACHINE DE REMPLISSAGE DE PNEUMATIQUE**
[72] LITTLE, JEFF, US
[72] BISHOP, JOHN, US
[71] CARLISLE CONSTRUCTION MATERIALS, LLC, US
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[86] 2020-08-07 (PCT/US2020/045434)
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[51] **Int.Cl. A61K 39/395 (2006.01) A61N 1/36 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **A METHOD OF REDUCING VIABILITY OF CANCER CELLS BY APPLYING ALTERNATING ELECTRIC FIELDS AND ADMINISTERING CHECKPOINT INHIBITORS TO THE CANCER CELLS**
[54] **PROCEDE DE REDUCTION DE LA VIABILITE DE CELLULES CANCEREUSES PAR L'APPLICATION DE CHAMPS ELECTRIQUES ALTERNATIFS ET L'ADMINISTRATION D'INHIBITEURS DE POINTS DE CONTROLE AUX CELLUL ES CANCEREUSES**
[72] CHEN, DONGJIANG, US
[72] TRAN, DAVID, US
[71] NOVOCURE GMBH, CH
[85] 2022-02-23
[86] 2019-11-04 (PCT/US2019/059650)
[87] (WO2021/050093)
[30] US (62/898,290) 2019-09-10

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[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/34 (2006.01) B01D 53/62 (2006.01)**
[25] EN
[54] **INTRINSIC CO2 CAPTURE PROCESS AND NET CARBON NEGATIVE CHEMICAL PRODUCTION**
[54] **PROCEDE DE CAPTURE DE CO2 INTRINSEQUE ET PRODUCTION CHIMIQUE DE CARBONE NET NEGATIF**
[72] NOVEK, ETHAN J., US
[71] INNOVATOR ENERGY, LLC, US
[85] 2022-02-22
[86] 2020-08-21 (PCT/US2020/047310)
[87] (WO2021/035106)
[30] US (62/890,254) 2019-08-22
[30] US (62/895,557) 2019-09-04
[30] US (63/042,397) 2020-06-22
[30] US (16/944,850) 2020-08-11
[30] US (16/998,397) 2020-08-20

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[51] **Int.Cl. B65H 75/40 (2006.01) A62C 33/04 (2006.01) B65H 49/38 (2006.01) F16M 13/04 (2006.01)**
[25] EN
[54] **SPOOL DEVICE AND RELATED METHODS**
[54] **DISPOSITIF DE BOBINE ET PROCEDES ASSOCIES**
[72] MACK, CHARLES, US
[72] MACK, JAMES, US
[71] BLAZING SPOOLS LLC, US
[85] 2022-02-23
[86] 2020-07-10 (PCT/US2020/041673)
[87] (WO2021/040895)
[30] US (62/894,572) 2019-08-30
[30] US (16/888,072) 2020-05-29

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[51] **Int.Cl. A21B 3/00 (2006.01) A21B 3/13 (2006.01) B65D 81/34 (2006.01)**
[25] EN
[54] **FOOD MOLD AND METHOD FOR FOOD PROCESSING USING THE SAME**
[54] **MOULE ALIMENTAIRE ET PROCEDE DE TRANSFORMATION D'ALIMENTS L'UTILISANT**
[72] LIN, CHIH HUNG, US
[71] YO-KAI EXPRESS INC., US
[85] 2022-02-22
[86] 2020-08-19 (PCT/US2020/047002)
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[51] **Int.Cl. C01B 39/46 (2006.01) C01B 39/00 (2006.01) C01B 39/04 (2006.01) C01B 39/48 (2006.01)**
[25] EN
[54] **ZEOLITE SYNTHESES USING DIQUATERNARY STRUCTURE DIRECTING AGENTS**
[54] **SYNTHESES DE ZEOLITE A L'AIDE D'AGENTS D'ORIENTATION DE STRUCTURE DIQUATERNAIRE**
[72] MABON, ROSS, US
[72] BURTON, ALLEN W., US
[72] VROMAN, HILDA B., US
[72] WESTON, SIMON C., US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
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[86] 2020-07-22 (PCT/US2020/043005)
[87] (WO2021/040915)
[30] US (62/892,261) 2019-08-27

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[51] **Int.Cl. A24F 7/02 (2006.01) A24D 3/02 (2006.01) A24D 3/18 (2006.01) A24F 1/30 (2006.01)**
[25] EN
[54] **TRANSPORTABLE MOUTHPIECE**
[54] **EMBOUT TRANSPORTABLE**
[72] BAJPAI, AVINASH, US
[72] HUANG, CHARLTON, US
[72] FITT, RYAN, US
[71] PUFF CORPORATION, US
[85] 2022-02-22
[86] 2020-08-19 (PCT/US2020/046904)
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[30] US (62/893,707) 2019-08-29
[30] US (16/659,188) 2019-10-21

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[51] **Int.Cl. A61K 31/4439 (2006.01) A61P 29/00 (2006.01) C07C 59/255 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **PYRAZOLE COMPOUNDS, FORMULATIONS THEREOF, AND A METHOD FOR USING THE COMPOUNDS AND/OR FORMULATIONS**
[54] **COMPOSES DE PYRAZOLE, FORMULATIONS DE CEUX-CI, ET PROCEDE D'UTILISATION DES COMPOSES ET/OU DES FORMULATIONS**
[72] CHOU, LU, US
[72] DUAN, MATT, US
[72] DARWISH, IHAB, US
[72] SHAW, SIMON, US
[72] BHAMIDIPATI, SOMASEKHAR, US
[72] TAYLOR, VANESSA, US
[72] CHEN, YAN, US
[72] FAN, DAZHONG, US
[72] LUO, ZHUSHOU, US
[71] RIGEL PHARMACEUTICALS, INC., US
[85] 2022-02-23
[86] 2020-08-28 (PCT/US2020/048528)
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[30] US (62/894,547) 2019-08-30

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[51] **Int.Cl. H04W 28/02 (2009.01) H04W 80/06 (2009.01)**
[25] EN
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[54] **GESTION DE TRAFIC DE PROTOCOLE DE CONTROLE DE TRANSMISSION (TCP)**
[72] RAMACHANDRAN, GANESAN, US
[72] TORRES, ROBERT JAMES, US
[72] CHOQUETTE, GEORGE, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-02-23
[86] 2020-08-25 (PCT/US2020/047818)
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[30] US (16/554,777) 2019-08-29

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[51] **Int.Cl. H02K 11/33 (2016.01) H02K 7/00 (2006.01) H02K 7/14 (2006.01) H02K 13/00 (2006.01)**
[25] EN
[54] **COUNTER-ROTATING DIFFERENTIAL ELECTRIC MOTOR ASSEMBLY**
[54] **ENSEMBLE MOTEUR ELECTRIQUE DIFFERENTIEL CONTRAROTATIF**
[72] WISHART, RANDELL J., US
[72] EMIGH, JONATHAN D., US
[72] EMIGH, JASON, US
[72] PORTER, RAY, US
[71] CR FLIGHT L.L.C., US
[85] 2022-02-23
[86] 2020-08-25 (PCT/US2020/047836)
[87] (WO2021/041434)
[30] US (62/893,290) 2019-08-29
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[30] US (62/993,594) 2020-03-23

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[51] **Int.Cl. C07K 16/46 (2006.01) A61K 38/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **CHIMERIC ANTIGEN RECEPTOR SYSTEM AND USES THEREOF**
[54] **SYSTEME DE RECEPTEURS ANTIGENIQUES CHIMERIQUES ET LEURS UTILISATIONS**
[72] GANESAN, RAJKUMAR, US
[72] MARUTHACHALAM, BHARATHIKUMAR VELLALORE, US
[72] VENKATARAMANI, SATHYADEVI, US
[72] GREWAL, IQBAL, US
[72] SINGH, SANJAYA, US
[72] HARVILLA, PAUL, US
[72] BORROK III, MARTIN JACK, US
[72] TAMOT, NINKKA, US
[72] LI, YONGHAI, US
[71] JANSSEN BIOTECH, INC., US
[85] 2022-02-23
[86] 2020-08-26 (PCT/US2020/047913)
[87] (WO2021/041486)
[30] US (62/892,225) 2019-08-27
[30] US (62/705,780) 2020-07-15

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[51] **Int.Cl. G01N 35/04 (2006.01)**
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[54] **RECEPTACLE TRANSPORT CARRIERS**
[54] **SUPPORTS DE TRANSPORT DE RECIPIENTS**
[72] SILBERT, ROLF, US
[71] GEN-PROBE INCORPORATED, US
[85] 2022-02-23
[86] 2020-08-26 (PCT/US2020/047990)
[87] (WO2021/041537)
[30] US (62/891,728) 2019-08-26
[30] US (62/951,019) 2019-12-20

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C07D 241/40 (2006.01) C07D 271/12 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF DISORDERS ASSOCIATED WITH REPETITIVE DNA**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DE TROUBLES ASSOCIES A L'ADN REPETITIF**
[72] DOKSHIN, GREGORIY ALEKSANDROVICH, US
[72] HEIDENREICH, MATTHIAS, US
[72] ABDUL-MANAN, NORZEHAN, US
[72] GAN, LU, US
[72] LIU, JIANMING, US
[72] RUAN, GUOXIANG, US
[72] GROMADA, JESPER, US
[72] LEONARD, JOHN PATRICK, US
[72] DETWILER, ZACHARY MICHAEL, US
[72] HALLOCK, PETER THOMAS, US
[72] ESOPI, DAVID, US
[72] GUTIERREZ, GISELLE DOMINGUEZ, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2022-02-23
[86] 2020-08-26 (PCT/US2020/048000)
[87] (WO2021/041546)
[30] US (62/892,445) 2019-08-27
[30] US (62/993,616) 2020-03-23
[30] US (63/067,489) 2020-08-19

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[13] A1
[51] **Int.Cl. A01H 6/20 (2018.01)**
[25] EN
[54] **BRASSICA JUNCEA LINE NUBJ1207**
[54] **LIGNEE DE BRASSICA JUNCEA NUBJ1207**
[72] GAO, WENXIANG, US
[72] BELIDE, SRINIVAS, AU
[72] BUZZA, GREG, AU
[72] DEVINE, MALCOLM, CA
[72] GORORO, NELSON, AU
[72] LEONFORTE, ANTONIO, AU
[72] MCALLISTER, JASON, AU
[72] PETRIE, JAMES, AU
[72] SHRESTHA, PUSHKAR, AU
[72] SINGH, SURINDER, AU
[72] ZHOU, XUE-RONG, AU
[71] NUSEED NUTRITIONAL AUSTRALIA PTY LTD, AU
[85] 2022-02-23
[86] 2020-08-26 (PCT/US2020/048038)
[87] (WO2021/041570)
[30] US (62/891,908) 2019-08-26

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[13] A1
[51] **Int.Cl. A61K 31/551 (2006.01) A61K 31/43 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **ORALLY ADMINISTERED COMBINATIONS OF BETA LACTAM ANTIBIOTICS AND AVIBACTAM DERIVATIVES FOR TREATING BACTERIAL INFECTIONS**
[54] **COMBINAISONS ADMINISTREES PAR VOIE ORALE D'ANTIBIOTIQUES BETA-LACTAME ET DE DERIVES D'AVIBACTAM POUR LE TRAITEMENT D'INFECTIONS BACTERIENNES**
[72] TRIAS, JOAQUIM, US
[72] SABLE, CAROLE, US
[72] NICHOLLS, ANDREW, US
[71] ARIXA PHARMACEUTICALS, INC., US
[85] 2022-02-23
[86] 2020-08-27 (PCT/US2020/048119)
[87] (WO2021/041616)
[30] US (62/893,612) 2019-08-29
[30] US (62/953,852) 2019-12-26

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[13] A1
[51] **Int.Cl. A61B 1/227 (2006.01) A61B 5/12 (2006.01) A61B 8/12 (2006.01)**
[25] EN
[54] **ULTRASOUND TRANSDUCER DEVICES AND METHODS**
[54] **DISPOSITIF ET PROCEDE ASSOCIES A UN TRANSDUCTEUR ULTRASONORE**
[72] MOEHRING, MARK A., US
[72] KREINDLER, DANIEL, US
[72] GATES, GEORGE, US
[72] CAMERON, CAITLIN E., US
[71] OTONEXUS MEDICAL TECHNOLOGIES, INC., US
[85] 2022-02-23
[86] 2020-08-27 (PCT/US2020/048288)
[87] (WO2021/041739)
[30] US (62/892,930) 2019-08-28

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[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 31/496 (2006.01) A61P 31/10 (2006.01)**
[25] EN
[54] **DRUG-POLYMER AMORPHOUS SOLID DISPERSIONS USING LINEAR POLY(ACRYLIC ACID) POLYMERS**
[54] **DISPERSIONS SOLIDES AMORPHES DE POLYMERE DE MEDICAMENT UTILISANT DES POLYMERES DE POLY(ACIDE ACRYLIQUE) LINEAIRES**
[72] DRAGANOIU, ELENA S., CA
[72] MORGAN, BARBARA J., US
[72] WEAVER, DAVID W., US
[72] SHAH, SHREYA P., US
[72] WILSON, TODD J., US
[72] GRIECO, MICHAEL, US
[72] RANDALL, CYNTHIA S., US
[72] ZUBRIS, KIMBERLY A., US
[72] MITCHNICK, MARK A., US
[72] MIINEA, LILIANA A., US
[71] LUBRIZOL ADVANCED MATERIALS, INC., US
[85] 2022-02-23
[86] 2020-08-28 (PCT/US2020/048429)
[87] (WO2021/041824)
[30] US (62/892,679) 2019-08-28

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[13] A1
[51] **Int.Cl. C12Q 1/689 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6844 (2018.01)**
[25] EN
[54] **COMPOSITIONS, METHODS AND KITS FOR DETECTING TREPONEMA PALLIDUM**
[54] **COMPOSITIONS, PROCEDES ET KITS POUR LA DETECTION DE TREPONEMA PALLIDUM**
[72] O'DONNELL, MEGHAN A., US
[72] DARBY, PAUL M., US
[72] GETMAN, DAMON K., US
[71] GEN-PROBE INCORPORATED, US
[85] 2022-02-22
[86] 2020-08-14 (PCT/US2020/046406)
[87] (WO2021/041056)
[30] US (62/891,181) 2019-08-23

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[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/44 (2020.01) A24F 40/465 (2020.01) A24F 40/57 (2020.01) A24F 40/65 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **VAPORIZER DEVICE WITH IMPROVED HEATER**
[54] **DISPOSITIF VAPORISATEUR A ELEMENT CHAUFFANT AMELIORE**
[72] WEISS, ALEXANDER, US
[71] JUUL LABS, INC., US
[85] 2022-02-23
[86] 2020-08-28 (PCT/US2020/048462)
[87] (WO2021/041851)
[30] US (62/894,554) 2019-08-30

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[13] A1
[51] **Int.Cl. B28B 23/00 (2006.01) B28B 5/10 (2006.01) E01C 19/50 (2006.01)**
[25] EN
[54] **FLEXIBLE MAT WITH FLUID CONDUIT, METHOD OF MANUFACTURE THEREOF AND APPARATUS FOR THE MANUFACTURE THEREOF**
[54] **MAT SOUPLE DOTE D'UN CONDUIT DE FLUIDE, SON PROCEDE DE FABRICATION ET APPAREIL POUR SA FABRICATION**
[72] REARDEN, JIM, US
[71] BIOTHERM HYDRONIC, INC., US
[85] 2022-02-23
[86] 2020-08-28 (PCT/US2020/048578)
[87] (WO2021/041939)
[30] US (62/893,773) 2019-08-29

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[13] A1
[51] **Int.Cl. C12Q 1/6827 (2018.01) A61K 31/423 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) A61P 37/02 (2006.01) A61P 37/08 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR CANCER TREATMENT IN PATIENT HAVING SPECIFIC GENE MARKER**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DU CANCER CHEZ UN PATIENT AYANT UN MARQUEUR GENETIQUE SPECIFIQUE**
[72] YOSHITAKE, MASUHIRO, JP
[72] BAMBA, YOSHINORI, JP
[72] ENDOU, HITOSHI, JP
[72] SUZUKI, TOKIKO, JP
[71] J-PHARMA CO., LTD., JP
[85] 2022-02-22
[86] 2020-08-31 (PCT/JP2020/032828)
[87] (WO2021/040042)
[30] JP (2019-158681) 2019-08-30

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[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01) A61M 5/00 (2006.01) A61M 25/14 (2006.01)**
[25] EN
[54] **RAPIDLY INSERTED CENTRAL CATHETER AND METHODS THEREOF**
[54] **CATHETER CENTRAL A INSERTION RAPIDE ET PROCEDES ASSOCIES**
[72] HOWELL, GLADE HAROLD, US
[71] BARD ACCESS SYSTEMS, INC., US
[85] 2022-02-23
[86] 2020-08-28 (PCT/US2020/048583)
[87] (WO2021/050302)
[30] US (62/898,408) 2019-09-10

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[13] A1
[51] **Int.Cl. C12Q 1/6827 (2018.01) A61K 31/423 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) A61P 37/02 (2006.01) A61P 37/08 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION USED IN PATIENTS HAVING SPECIFIC GENE MARKER**
[54] **COMPOSITION PHARMACEUTIQUE UTILISEE CHEZ DES PATIENTS AYANT UN MARQUEUR GENETIQUE SPECIFIQUE**
[72] YOSHITAKE, MASUHIRO, JP
[72] BAMBA, YOSHINORI, JP
[71] J-PHARMA CO., LTD., JP
[85] 2022-02-22
[86] 2020-08-31 (PCT/JP2020/032829)
[87] (WO2021/040043)
[30] JP (2019-158681) 2019-08-30

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[13] A1
[51] **Int.Cl. B29C 64/118 (2017.01) B33Y 30/00 (2015.01) B33Y 50/02 (2015.01) B29C 64/393 (2017.01) B29C 70/38 (2006.01) G01B 7/02 (2006.01) G01B 21/02 (2006.01)**
[25] EN
[54] **AN FFF PRINTING SYSTEM WITH A FILAMENT PATH LENGTH MEASURING DEVICE FOR ALIGNMENT OF FEEDER AND PREFEEDER**
[54] **SYSTEME D'IMPRESSION PAR DEPOT DE FIL FONDU (FFF) AVEC UN DISPOSITIF DE MESURE DE LONGUEUR DE CHEMIN DE FILAMENT POUR L'ALIGNEMENT D'UN DISPOSITIF D'ALIMENTATION ET D'UN DISPOSITIF DE PRE-ALIMENTATION**
[72] VAN LENT, AREND-JAN, NL
[72] VAN MANEN, RIJK, NL
[72] VAN BEEK, TEUN, NL
[71] ULTIMAKER B.V., NL
[85] 2022-02-22
[86] 2020-09-23 (PCT/NL2020/050584)
[87] (WO2021/060977)
[30] NL (2023878) 2019-09-23

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[13] A1
[51] **Int.Cl. C25C 3/00 (2006.01)**
[25] EN
[54] **POT CATHODE LINING MATERIAL RECYCLING METHOD & RECYCLER**
[54] **PROCEDE DE RECYCLAGE DE MATERIAU DE REVETEMENT DE DISPOSITIF CATHODIQUE D'ELECTROLYSEUR ET DISPOSITIF DE MISE EN OEUVRE**
[72] PROSHKIN, ALEKSANDR VLADIMIROVICH, RU
[72] LEVENSON, SAMUIL YAKOVLEVICH, RU
[72] SBITNEV, ANDREJ GENNAD'EVICH, RU
[72] GOLDOBIN, VYACHESLAV ANDREEVICH, RU
[72] MOROZOV, ALEKSEJ VASIL'EVICH, RU
[72] PINGIN, VITALIJ VALER'EVICH, RU
[72] ZHERDEV, ALEKSEJ SERGEEVICH, RU
[71] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
[85] 2022-02-22
[86] 2020-08-25 (PCT/RU2020/050201)
[87] (WO2021/107813)
[30] RU (2019137850) 2019-11-25

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[13] A1
[51] **Int.Cl. A61L 27/52 (2006.01) A61K 47/34 (2017.01) A61L 27/18 (2006.01) C07C 271/08 (2006.01)**
[25] EN
[54] **STEAM STERILIZATION OF HYDROGELS CROSSLINKED BY BETA-ELIMINATIVE LINKERS**
[54] **STERILISATION A LA VAPEUR D'HYDROGELS RETICULES PAR DES LIEURS BETA-ELIMINATIFS**
[72] HENISE, JEFFREY C., US
[72] ASHLEY, GARY W., US
[72] YAO, BRIAN, US
[71] PROLYNX LLC, US
[85] 2022-02-22
[86] 2020-08-07 (PCT/US2020/045484)
[87] (WO2021/026494)
[30] US (62/883,982) 2019-08-07

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[13] A1
[51] **Int.Cl. B01D 3/20 (2006.01) B01D 3/00 (2006.01) B01D 3/16 (2006.01) B01D 3/22 (2006.01) B01D 3/32 (2006.01) B01D 11/04 (2006.01) B01J 19/30 (2006.01)**
[25] EN
[54] **HIGH CAPACITY TRAY FOR LIQUID-LIQUID TREATING**
[54] **PLATEAU A HAUTE CAPACITE DE TRAITEMENT LIQUIDE-LIQUIDE**
[72] HANSON, DARYL, US
[71] VALERO SERVICES, INC., US
[85] 2022-02-22
[86] 2020-08-12 (PCT/US2020/045971)
[87] (WO2021/034571)
[30] US (62/890,381) 2019-08-22

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[13] A1
[51] **Int.Cl. B28D 1/04 (2006.01) B23D 47/02 (2006.01) B27B 5/16 (2006.01) B28D 1/24 (2006.01)**
[25] EN
[54] **TRAY ATTACHMENT FOR SAWS**
[54] **ACCESSOIRE DE SUPPORT POUR SCIES**
[72] DAVIS, MELISSA ANNE, US
[72] POFFEL, WILLIAM ANTHONY, US
[72] NEELY, MARCUS THANE, US
[71] MMB DESIGNS LLC, US
[85] 2022-02-23
[86] 2020-09-25 (PCT/US2020/052776)
[87] (WO2021/062190)
[30] US (62/973,263) 2019-09-26

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[13] A1
[51] **Int.Cl. A24C 5/00 (2020.01) A24B 3/16 (2006.01) A24B 7/04 (2006.01) A24B 15/16 (2020.01) A24C 5/06 (2006.01) A24C 5/14 (2006.01) A24C 5/39 (2006.01)**
[25] EN
[54] **CIGARETTE ROLLING MACHINE**
[54] **MACHINE A ROULER DES CIGARETTES**
[72] LOUCKS, KYLE, US
[71] LOUCKS, KYLE, US
[85] 2022-02-23
[86] 2020-10-16 (PCT/US2020/055961)
[87] (WO2021/076877)
[30] US (62/923,510) 2019-10-19

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[13] A1
[51] **Int.Cl. H01J 63/06 (2006.01) H01L 33/02 (2010.01) A61L 2/10 (2006.01) H01J 9/04 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL DEVICE USING ULTRAVIOLET LIGHT**
[54] **DISPOSITIF ANTIMICROBIEN UTILISANT DE LA LUMIERE ULTRAVIOLETTE**
[72] JOHNSON, SCOTT, VINCENT, US
[72] JOHNSON, MICHEAL, RAY, US
[72] MARTIN, JOHN, JEFFERY, US
[71] JASKIE, JAMES, EDWARD, US
[71] JOHNSON, SCOTT, VINCENT, US
[71] JOHNSON, MICHEAL, RAY, US
[71] MARTIN, JOHN, JEFFERY, US
[85] 2022-02-23
[86] 2020-09-02 (PCT/US2020/048988)
[87] (WO2021/046079)
[30] US (62/895,164) 2019-09-03
[30] US (16/991,359) 2020-08-12

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[13] A1
[51] **Int.Cl. F02K 1/76 (2006.01) F02K 1/72 (2006.01)**
[25] EN
[54] **THRUST REVERSER COMPRISING A SINGLE ACTUATOR FOR CONTROLLING A MOBILE COWLING**
[54] **INVERSEUR DE POUSSEE COMPRENANT UN UNIQUE VERIN DE COMMANDE DE CAPOT MOBILE**
[72] CARUEL, PIERRE CHARLES, FR
[72] CHARLIAC, FABIEN, FR
[72] BRAVIN, FABIEN, FR
[72] CHAPELAIN, LOIC, FR
[71] SAFRAN NACELLES, FR
[85] 2022-02-24
[86] 2020-09-02 (PCT/FR2020/051519)
[87] (WO2021/044096)
[30] FR (1909767) 2019-09-05

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[13] A1
[51] **Int.Cl. A61K 38/51 (2006.01) A61K 47/60 (2017.01) C12N 9/88 (2006.01) C12N 9/96 (2006.01)**
[25] EN
[54] **CYSTATHIONINE BETA-SYNTHASE ENZYME THERAPY FOR TREATMENT OF ELEVATED HOMOCYSTEINE LEVELS**
[54] **THERAPIE ENZYMATIQUE PAR CYSTATHIONINE BETA-SYNTHASE POUR LE TRAITEMENT DE TAUX ELEVES D'HOMOCYSTEINE**
[72] SELLOS-MOURA, MARCIA, US
[72] BUBLIL, EREZ MOSHE, IL
[72] GLAVIN, FRANK, US
[71] TRAVERE THERAPEUTICS SWITZERLAND GMBH, CH
[85] 2022-02-23
[86] 2020-09-03 (PCT/US2020/049156)
[87] (WO2021/046190)
[30] US (62/895,230) 2019-09-03
[30] US (62/983,862) 2020-03-02

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[13] A1
[51] **Int.Cl. F02K 1/72 (2006.01) F02K 1/52 (2006.01) F02K 1/76 (2006.01)**
[25] EN
[54] **THRUST REVERSER COMPRISING PRIMARY LATCHES OFFSET WITH RESPECT TO A PLANE OF SYMMETRY OF THE MOVABLE HOOD**
[54] **INVERSEUR DE POUSSEE COMPRENANT DES VERROUS PRIMAIRES DECALES PAR RAPPORT A UN PLAN DE SYMETRIE DU CAPOT MOBILE**
[72] CARUEL, PIERRE CHARLES, FR
[72] CHARLIAC, FABIEN, FR
[72] BRAVIN, FABIEN, FR
[72] CHAPELIN, LOIC, FR
[71] SAFRAN NACELLES, FR
[85] 2022-02-24
[86] 2020-09-02 (PCT/FR2020/051520)
[87] (WO2021/044097)
[30] FR (1909759) 2019-09-05

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[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 39/385 (2006.01) A61K 39/39 (2006.01) A61K 39/44 (2006.01)**
[25] EN
[54] **IMPLANIMPLANTABLE SCAFFOLDS AND USES THEREOF FOR IMMUNOTHERAPY OTHER USES**
[54] **ECHAFAUDAGES IMPLANTABLES ET LEURS UTILISATIONS EN IMMUNOTHERAPIE ET POUR D'AUTRES UTILISATIONS**
[72] BUTTE, MANISH J., US
[72] HASANI-SADRABADI, MOHAMMAD MAHDI, US
[72] MAJEDI, FATEMEH S., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-02-23
[86] 2020-09-18 (PCT/US2020/051363)
[87] (WO2021/055658)
[30] US (62/902,346) 2019-09-18

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[13] A1
[51] **Int.Cl. H04W 72/02 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **TERMINAL, BASE STATION, AND COMMUNICATION METHOD**
[54] **TERMINAL, STATION DE BASE ET PROCEDE DE COMMUNICATION**
[72] TAKAHASHI, HIDEAKI, JP
[72] SANO, YOUSUKE, JP
[71] NTT DOCOMO, INC., JP
[85] 2022-02-22
[86] 2020-02-25 (PCT/JP2020/007324)
[87] (WO2021/038920)
[30] JP (2019-158009) 2019-08-30

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[13] A1
[51] **Int.Cl. C23C 2/02 (2006.01) C22C 18/00 (2006.01) C22C 38/00 (2006.01) C22C 38/06 (2006.01) C23C 2/06 (2006.01)**
[25] EN
[54] **FLUX AND PRODUCTION METHOD OF STEEL PRODUCT WITH HOT-DIP ZN-AL-MG COATING USING SAID FLUX**
[54] **FONDANT ET PROCEDE DE PRODUCTION DE PRODUIT FORME A BASE D'ACIER AVEC REVETEMENT DE ZN-AL-MG PAR IMMERSION A CHAUD METTANT EN OEUVRE LEDIT FONDANT**
[72] ISHII, KOUTAROU, JP
[72] TSUJIMURA, TAKAO, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2022-02-22
[86] 2020-05-27 (PCT/JP2020/020824)
[87] (WO2021/038992)
[30] JP (2019-158923) 2019-08-30

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[13] A1
[51] **Int.Cl. A61K 31/27 (2006.01) A61K 31/196 (2006.01) A61K 31/24 (2006.01) A61K 31/343 (2006.01) A61K 31/415 (2006.01) A61K 31/44 (2006.01) A61K 31/4439 (2006.01) A61K 31/505 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **METHOD OF TREATING A SLEEP BREATHING DISORDER**
[54] **METHODE DE TRAITEMENT D'UN TROUBLE RESPIRATOIRE DU SOMMEIL**
[72] COOKE, IAN, AU
[72] BERGER, PHILIP J, AU
[71] COOKE, IAN, AU
[71] MONASH INNOVATION, AU
[85] 2022-02-24
[86] 2019-09-06 (PCT/AU2019/050952)
[87] (WO2020/047603)
[30] AU (2018903325) 2018-09-06

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[13] A1
[51] **Int.Cl. B65G 39/16 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO CONVEYORS**
[54] **AMELIORATIONS APPORTEES A DES TRANSPORTEURS OU SE RAPPORTANT A CEUX-CI**
[72] NORMAN, RUSSELL, AU
[72] WATERS, DARREN, AU
[71] INNOVATIVE MINING SERVICES (AUST) PTY LTD, AU
[85] 2022-02-24
[86] 2020-08-31 (PCT/AU2020/050916)
[87] (WO2021/035314)
[30] AU (2019903181) 2019-08-30
[30] AU (2020902216) 2020-06-30

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[13] A1
[51] **Int.Cl. A61F 5/30 (2006.01) A61F 5/01 (2006.01)**
[25] EN
[54] **PAD COMPRISING A PRESSURE ELEMENT**
[54] **TAMPON COMPRENANT UN ELEMENT DE PRESSION**
[72] BAUERFEIND, HANS B., DE
[71] BAUERFEIND AG, DE
[85] 2022-02-24
[86] 2020-08-24 (PCT/EP2020/073613)
[87] (WO2021/037789)
[30] DE (10 2019 212 740.1) 2019-08-26

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[51] **Int.Cl. C11B 1/10 (2006.01)**
[25] EN
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[54] **PROCEDE DE PRODUCTION D'HUILE DEGOMMEE ET DE GOMMES, ET PRODUITS OBTENUS PAR LE PROCEDE**
[72] GABER, MOHAMED A. FOUAD M., AU
[72] JULIANO, PABLO, AU
[72] MANSOUR, MAGED PETER, AU
[72] SMITH, ROD, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
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[54] **FASTENER AND METHOD OF MANUFACTURE THEREOF**
[54] **ELEMENT DE FIXATION ET SON PROCEDE DE FABRICATION**
[72] BUTTERFIELD, MARK, AU
[72] O'NEIL, GARETH, AU
[72] MCCRACKEN, BRADFORD SHANE, AU
[71] COMMONWEALTH STEEL COMPANY PTY LTD, AU
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[54] **SMALL MOLECULE COMPOUND SPAM1 FOR UP-REGULATING NEUROPEPTIDE PACAP AND RECEPTOR PAC1-R THEREOF, METHOD FOR PREPARING SAME AND USE OF SAME**
[54] **COMPOSE PETITE MOLECULE SPAM1 POUR LA REGULATION A LA HAUSSE DU NEUROPEPTIDE PACAP ET DU RECEPTEUR PAC1-R DE CE DERNIER, ET PROCEDE DE PREPARATION ASSOCIE ET SON APPLICATION**
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[71] YU, RONGJIE, CN
[71] CHEN, JIANHUAN, CN
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[54] **SYSTEM AND METHOD FOR LOWERING A USER FROM AN ELEVATED POSITION**
[54] **SYSTEME ET PROCEDE POUR ABAISSER UN UTILISATEUR A PARTIR D'UNE POSITION ELEVEE**
[72] CLARK, ROBERT, CA
[72] HIGGINSON, ANDREW, CA
[72] GYMER, DAVID, CA
[72] FAGEN, DAVID, CA
[71] BRITISH COLUMBIA FERRY SERVICES INC., CA
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[54] **USE OF GH12 CELLULASES IN PREPARING BAKERY PRODUCTS COMPRISING RYE-FLOUR**
[54] **UTILISATION DE CELLULASES GH12 DANS LA PREPARATION DE PRODUITS DE BOULANGERIE COMPRENANT DE LA FARINE DE SEIGLE**
[72] FISCHER, FELIX, DE
[72] HAARMANN, THOMAS, DE
[72] VAN GENUGTEN, BERNARD, DE
[71] AB ENZYMES GMBH, DE
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[54] **BIOMASS HEATING SYSTEM WITH OPTIMIZED FLUE GAS TREATMENT**
[54] **INSTALLATION DE CHAUFFAGE A BIOMASSE COMPORTANT UN TRAITEMENT OPTIMISE DES GAZ DE COMBUSTION**
[72] SOMMERAUER, THILO, AT
[71] SL-TECHNIK GMBH, AT
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[54] **SOUDAGE INTERNE DE TUYAUX ET DE PROFILES**
[72] STARK, MICHAEL, DE
[71] SMS GROUP GMBH, DE
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[54] **ROTATING GRATE WITH A CLEANING DEVICE FOR A BIOMASS HEATING SYSTEM**
[54] **GRILLE TOURNANTE COMPRENANT UN DISPOSITIF DE NETTOYAGE POUR UN SYSTEME DE CHAUFFAGE A BIOMASSE**
[72] SOMMERAUER, THILO, AT
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[54] **METHOD FOR COMMISSIONING A BIOMASS HEATING SYSTEM**
[54] **PROCEDE DE DEMARRAGE DE FONCTIONNEMENT D'INSTALLATION DE CHAUFFAGE DE BIOMASSE**
[72] SOMMERAUER, THILO, AT
[71] SL-TECHNIK GMBH, AT
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[54] **BIOMASS HEATING SYSTEM, AS WELL AS ITS COMPONENTS**
[54] **SYSTEME DE CHAUFFAGE DE BIOMASSE AVEC UN FLUX D'AIR SECONDAIRE ET COMPOSANTS DE CELUI-CI**
[72] SOMMERAUER, THILO, AT
[71] SL-TECHNIK GMBH, AT
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[54] **METHODS OF TREATING BREAST CANCER WITH TETRAHYDRONAPHTHALENE DERIVATIVES AS ESTROGEN RECEPTOR DEGRADERS**
[54] **PROCEDES DE TRAITEMENT DU CANCER DU SEIN AVEC DES DERIVES DE TETRAHYDRONAPHTALENE EN TANT QU'AGENTS DE DEGRADATION DU RECEPTEUR DES ESTROGENES**
[72] CREW, ANDREW P., US
[72] FLANAGAN, JOHN, US
[72] GOUGH, SHERYL MAXINE, US
[72] HASKELL, ROYAL J., III, US
[72] MOORE, MARCIA DOUGAN, US
[72] QIAN, YIMIN, US
[72] TAYLOR, IAN CHARLES ANTHONY, US
[72] WANG, JING, US
[72] CHEN, XIN, US
[71] ARVINAS OPERATIONS, INC., US
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[54] **METHODS, DEVICES AND SYSTEMS FOR SECOND CHANCE REWARDS IN REGULATED CASINO GAMES**
[54] **PROCEDES, DISPOSITIFS ET SYSTEMES POUR DES RECOMPENSES DE SECONDE CHANCE DANS DES JEUX DE CASINO REGLEMENTES**
[72] OBERBERGER, MICHAEL M., US
[71] AKKADIAN ENTERPRISES, US
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[54] **COMPOUNDS TO IDENTIFY BETA-LACTAMASES, AND METHODS OF USE THEREOF**
[54] **COMPOSES POUR IDENTIFIER DES BETA-LACTAMASES ET LEURS PROCEDES D'UTILISATION**
[72] DEBOER, TARA RENEE, US
[72] TARLTON, NICOLE JEANNE, US
[72] MURTHY, NIREN, US
[72] RILEY, LEE W., US
[72] RESENDEZ, ANGEL, US
[72] JACKSON, NICOLE, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] BIOAMP DIAGNOSTICS, INC., US
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[25] EN
[54] **EXCHANGE PLATFORM ACTIVITY PREDICTION**
[54] **PREDICTION D'ACTIVITE DE PLATE-FORME D'ECHANGES**
[72] SINKOV, ANDREW, US
[71] ETSY, INC., US
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[54] **BLADE ACCESS ARRANGEMENT FOR A ROTOR BLADE OF A WIND POWER PLANT**
[54] **AGENCEMENT D'ACCES A UNE PALE DESTINE A UNE PALE DE ROTOR D'UNE EOLIENNE**
[72] JUNKER, PETER MOOS, DK
[72] MARTENSEN, LARS, DK
[72] PEDERSEN, JESPER ANKJÆR, DK
[71] PP ENERGY APS, DK
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[54] **BLADE ACCESS ARRANGEMENT FOR A ROTOR BLADE OF A WIND POWER PLANT**
[54] **AGENCEMENT D'ACCES A UNE PALE DESTINE A UNE PALE DE ROTOR D'UNE EOLIENNE**
[72] JUNKER, PETER MOOS, DK
[71] PP ENERGY APS, DK
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[54] **CHROMA RESIDUAL SCALING FORESEEING A CORRECTIVE VALUE TO BE ADDED TO LUMA MAPPING SLOPE VALUES**
[54] **MISE A L'ECHELLE RESIDUELLE DE CHROMINANCE PREVOYANT L'AJOUT D'UNE VALEUR DE CORRECTION A DES VALEURS DE PENTE DE MAPPAGE DE LUMINANCE**
[72] FRANCOIS, EDOUARD, FR
[72] GALPIN, FRANCK, FR
[72] NASER, KARAM, FR
[72] DE LAGRANGE, PHILIPPE, FR
[71] INTERDIGITAL VC HOLDINGS FRANCE, SAS, FR
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[54] **STORING AND RETRIEVING IDENTIFICATION TAG DATA ASSOCIATED WITH AN ASSET**
[54] **STOCKAGE ET EXTRACTION DE DONNEES D'ETIQUETTES D'IDENTIFICATION ASSOCIEES A UN ACTIF**
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[72] MIGACZ, TIMOTHY, US
[72] CASTER, STEVE, BE
[71] BRADY WORLDWIDE, INC., US
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[54] **TREATMENT INVOLVING THERAPEUTIC ANTIBODY AND INTERLEUKIN-2 (IL2)**
[54] **TRAITEMENT PAR ANTICORPS THERAPEUTIQUE ET INTERLEUKINE-2 (IL2)**
[72] SAHIN, UGUR, DE
[72] VORMEHR, MATHIAS, DE
[72] BECK, JAN DAVID, DE
[72] DIKEN, MUSTAFA, DE
[72] KREITER, SEBASTIAN, DE
[71] BIONTECH SE, DE
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[54] **CARABINE AYANT UNE POIGNEE D'ARMEMENT**
[72] KASTRUN, MARIO, AT
[71] GLOCK TECHNOLOGY GMBH, AT
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[54] **BIOREACTEUR OU FERMENTEUR POUR LA CULTURE DE CELLULES OU DE MICRO-ORGANISMES EN SUSPENSION A L'ECHELLE INDUSTRIELLE**
[72] SCHULZ, TORSTEN WILHELM, DE
[72] WUCHERPFENNIG, THOMAS, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
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[25] EN
[54] **PROCESS FOR THE MANUFACTURE OF A LIGNOCELLULOSIC FIBRE-BASED COMPOSITE MATERIAL AND COMPOSITE MATERIAL OBTAINED BY SUCH PROCESS**
[54] **PROCEDE DE FABRICATION D'UN MATERIAU COMPOSITE A BASE DE FIBRES LIGNOCELLULOSIQUES ET MATERIAU COMPOSITE OBTENU PAR UN TEL PROCEDE**
[72] LE FUR, XAVIER, FR
[72] MANGEON PASTORI, CARINE, FR
[71] EVERTREE, FR
[85] 2022-02-24
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[54] **APPARATUS AND METHOD FOR DEPOSITING A POLY(P-XYLYLENE) FILM ON A COMPONENT**
[54] **APPAREIL ET PROCEDE DE DEPOT D'UN FILM DE POLY(P-XYLYLENE) SUR UN COMPOSANT**
[72] RODRIGUEZ, JOSE VIRGILIO ANGUITA, GB
[72] SILVA, SEMBUKUTTIARACHILAGE RAVI PRADIP, GB
[71] UNIVERSITY OF SURREY, GB
[71] AIRBUS DEFENCE AND SPACE GMBH, DE
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[54] **PLATEFORME DE COMMUNICATION NUMERIQUE PERMETTANT L`ORGANISATION ET LA VISUALISATION DE CONTRIBUTIONS PERSONNELLES ET SOCIALES SUR L`INTERNET**
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[72] THALL, NELSON, CA
[71] HVR TECHNOLOGIES INC., CA
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[54] **MOUNTED PANEL SYSTEMS AND METHODS**
[54] **PANNEAU MONTE, SYSTEMES ET METHODES**
[72] BUNTING, JOHN RICHARD, US
[71] DRYVIT SYSTEMS, INC., US
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[54] **SELF-CLEANING TOILET ASSEMBLY AND SYSTEM**
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[72] GROVER, DAVID, US
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[72] SEGGIO, FRANK, US
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[54] **USE OF MULLERIAN INHIBITING SUBSTANCE (MIS) PROTEINS FOR CONTRACEPTION AND OVARIAN RESERVE PRESERVATION**
[54] **UTILISATION DE PROTEINES D'HORMONE ANTI-MULLERIENNE (AMH) POUR LA CONTRACEPTION ET LA PRESERVATION DE LA RESERVE OVARIENNE**
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[72] PEPIN, DAVID, US
[71] THE GENERAL HOSPITAL CORPORATION, US
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[54]
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[72] LI, JIANQUAN, US
[72] EVANS, STEVEN L., US
[72] BLUE, RYAN C., US
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[54] **METHODS AND COMPOSITIONS FOR IMPROVING OIL RECOVERY IN CORN PROCESSING**
[54] **PROCEDES ET COMPOSITIONS POUR AMELIORER LA RECUPERATION DE L'HUILE LORS DE LA TRANSFORMATION DU MAIS**
[72] TURUNC, UMIT, US
[72] AUCUTT, MICHAEL J., US
[72] SINKO, CHARLES, US
[71] BL TECHNOLOGIES, INC., US
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[54] **GENETICALLY ENGINEERED BACTERIUM COMPRISING ENERGY-GENERATING FERMENTATION PATHWAY**
[54] **BACTERIE GENETIQUEMENT MODIFIEE COMPRENANT UNE VOIE DE FERMENTATION A PRODUCTION D'ENERGIE**
[72] KOEPKE, MICHAEL, US
[72] JENSEN OVERGAARD, RASMUS, US
[72] BEHRENDORFF, JAMES BRUCE YARNTON HAYCOCK, US
[72] HILL, RYAN EDWARD, US
[72] MUELLER, ALEXANDER PAUL, US
[72] JUMINAGA, DARMAWI, US
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[72] CERRUTI, THOMAS A., US
[72] DART, CRYSTAL L., US
[72] ENGLISH, LEIGH H., US
[72] FU, XIAORAN, US
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[72] HOWE, ARLENE R., US
[72] MORGENSTERN, JAY P., US
[72] ROBERTS, JAMES K., US
[72] SALVADOR, SARA A., US
[72] WANG, JINLING, US
[72] FLASINSKI, STANISLAW, US
[71] MONSANTO TECHNOLOGY LLC, US
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[62] 2,964,776
[30] US (62/064,989) 2014-10-16

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[51] **Int.Cl. C07K 14/325 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/32 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **NOVEL CHIMERIC INSECTICIDAL PROTEINS TOXIC OR INHIBITORY TO LEPIDOPTERAN PESTS**
[54] **NOUVELLES PROTEINES INSECTICIDES CHIMERES TOXIQUES POUR LES LELIPIDOPTERES NUISIBLES OU LES INHIBANT**
[72] BAUM, JAMES A., US
[72] CERRUTI, THOMAS A., US
[72] DART, CRYSTAL L., US
[72] ENGLISH, LEIGH H., US
[72] ENGLISH LEIGH, US
[72] FU, XIAORAN, US
[72] GUZOV, VICTOR M., US
[72] HOWE, ARLENE R., US
[72] MORGENSTERN, JAY P., US
[72] BAUM, JAMES K., US
[72] SALVADOR, SARA A., US
[72] WANG, JINLING, US
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[71] MONSANTO TECHNOLOGY LLC, US
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[62] 2,964,776
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[54] **DISHMACHINE**
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[72] ELLINGSON, JEFFREY PAUL, US
[72] NELSON, WESLEY MARK, US
[72] JENSEN, ANDREW MICHAEL, US
[72] WOOD, KYLE D., US
[72] HOLZMAN, LOUIS MARK, US
[71] ECOLAB USA INC., US
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[30] US (61/569,930) 2011-12-13

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[13] A1
[25] EN
[54] **GENETICALLY ENGINEERED BACTERIUM COMPRISING ENERGY-GENERATING FERMENTATION PATHWAY**
[54] **BACTERIE GENETIQUEMENT MODIFIEE COMPRENANT UNE VOIE DE FERMENTATION A PRODUCTION D'ENERGIE**
[72] KOEPKE, MICHAEL, US
[72] JENSEN OVERGAARD, RASMUS, US
[72] BEHRENDORFF, JAMES BRUCE YARNTON HAYCOCK, US
[72] HILL, RYAN EDWARD, US
[72] MUELLER, ALEXANDER PAUL, US
[72] JUMINAGA, DARMAWI, US
[71] LANZATECH NZ, INC., US
[22] 2016-10-13
[41] 2017-04-20
[62] 3,051,235
[30] US (62/240,850) 2015-10-13

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[13] A1
[25] EN
[54] **METHODS OF SKIN WHITENING BY USE OF CANOLA EXTRACTS**
[54] **METHODES DE BLANCHIMENT DE LA PEAU AU MOYEN D'EXTRAITS DE CANOLA**
[72] GUTHRIE, NAJIA, CA
[72] GUTHRIE, ROBERT ALLEN, CA
[71] 1242753 ONTARIO INC., CA
[22] 2014-01-09
[41] 2014-08-07
[62] 2,899,814
[30] US (13/755,143) 2013-01-31

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[54] **GENETICALLY ENGINEERED BACTERIUM COMPRISING ENERGY-GENERATING FERMENTATION PATHWAY**
[54] **BACTERIE GENETIQUEMENT MODIFIEE COMPRENANT UNE VOIE DE FERMENTATION A PRODUCTION D'ENERGIE**
[72] KOEPKE, MICHAEL, US
[72] JENSEN OVERGAARD, RASMUS, US
[72] BEHRENDORFF, JAMES BRUCE YARNTON HAYCOCK, US
[72] HILL, RYAN EDWARD, US
[72] MUELLER, ALEXANDER PAUL, US
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[41] 2017-04-20
[62] 3,051,235
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[21] **3,151,184**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR AMBULATORY GENERATION OF NITRIC OXIDE**
[54] **SYSTEMES ET METHODES POUR LA GENERATION AMBULATOIRE D'OXYDE NITRIQUE**
[72] ZAPOL, DAVID G., US
[72] HALL, GREGORY W., US
[72] SCHOLZ, WOLFGANG, US
[72] APOLLONIO, BENJAMIN, US
[72] HEIRTZLER, FRANK, US
[72] FERENCZ, ANDREW, US
[71] THIRD POLE, INC., US
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[41] 2018-08-30
[62] 3,054,660
[30] US (62/463,943) 2017-02-27
[30] US (62/463,956) 2017-02-27
[30] US (62/509,394) 2017-05-22
[30] US (62/553,572) 2017-09-01
[30] US (62/574,173) 2017-10-18
[30] US (62/614,492) 2018-01-07
[30] US (15/907,258) 2018-02-27

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[25] EN
[54] **MULTIPLE HEATSINK COOLING SYSTEM FOR A LINE VOLTAGE THERMOSTAT**
[54] **MECANISME DE REFROIDISSEMENT DE PUITS THERMIQUES MULTIPLES DESTINE A UN THERMOSTAT DE TENSION DE SECTEUR**
[72] BRAVARD, LIONEL, US
[72] LANDRY, DANIEL, US
[72] MCNABB-BALTAR, JOEL, US
[72] TOUSIGNANT, DANIEL, US
[72] TREMBLAY, EVELYNE, US
[71] ADEMCO INC., US
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[41] 2016-01-11
[62] 2,896,113
[30] US (14/329,357) 2014-07-11

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[25] EN
[54] **CRYSTAL PURIFICATION IN A GLASS OR METAL CONTAINER**
[54]
[72] BETHERS, PRATT, US
[72] GOODMAN, DAVID, III, US
[71] BETHERS, PRATT, US
[71] MAHGOUB, MAGDI, US
[71] BETHERS, MARK, US
[71] PETERS, RAETH, US
[71] GRAY, LORIN, US
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[41] 2020-01-02
[62] 3,048,350
[30] US (16/025,899) 2018-07-02

[21] **3,151,221**
[13] A1
[25] EN
[54] **IL-15-BASED MOLECULES AND METHODS OF USE THEREOF**
[54] **MOLECULES A BASE DE IL-15 ET LEURS PROCEDES D'UTILISATION**
[72] LIU, BAI, US
[72] RHODE, PETER, US
[72] XU, WENXIN, US
[72] WONG, HING, C., US
[71] ALTOR BIOSCIENCE CORPORATION, US
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[41] 2016-01-07
[62] 2,953,816
[30] US (62/018,899) 2014-06-30

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[25] EN
[54] **METHOD AND DEVICE FOR ARITHMETIC ENCODING OR ARITHMETIC DECODING**
[54] **PROCEDE ET DISPOSITIF DE CODAGE ARITHMETIQUE OU DE DECODAGE ARITHMETIQUE**
[72] WUEBBOLT, OLIVER, DE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2010-10-01
[41] 2011-04-14
[62] 3,121,374
[30] EP (09305961.6) 2009-10-09

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[25] EN
[54] **SHEATHED SURGICAL SAW BLADE WITH BEARINGS**
[54] **LAME DE SCIE CHIRURGICALE GAINEE A ROULEMENTS**
[72] SIEH, JOHN, US
[72] GONZALEZ, DAVID, US
[71] CONMED CORPORATION, US
[22] 2019-03-05
[41] 2019-09-12
[62] 3,091,362
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[30] US (62/724,914) 2018-08-30

[21] **3,151,242**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR NAVIGATING A MEDIA GUIDANCE APPLICATION WITH MULTIPLE PERSPECTIVE VIEWS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE NAVIGUER DANS UNE APPLICATION DE GUIDAGE MULTIMEDIA AVEC DE MULTIPLES VUES EN PERSPECTIVE**
[72] BAUDER, CHRISTOPHER, DE
[72] CONNESS, JASON, US
[72] WOODS, THOMAS STEVEN, US
[71] ROVI GUIDES, INC., US
[22] 2010-03-23
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[62] 3,012,526
[30] US (61/212414) 2009-04-10
[30] US (12/571035) 2009-09-30
[30] US (12/571186) 2009-09-30
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[21] **3,151,253**
[13] A1
[25] EN
[54] **STORAGE MANAGEMENT OF A RECORDING DEVICE IN A MULTI-USER SYSTEM**
[54] **GESTION DE STOCKAGE D'UN DISPOSITIF D'ENREGISTREMENT DANS UN SYSTEME MULTI-UTILISATEUR**
[72] CRANER, MICHAEL L., US
[72] KNEE, ROBERT A., US
[71] ROVI GUIDES, INC., US
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[25] EN
[54] **METHOD AND APPARATUS FOR TISSUE HARVESTING**
[54] **PROCEDE ET APPAREIL DE RECOLTE DE TISSU**
[72] ANDERSON, RICHARD R., US
[72] FRANCO, WALFRE, US
[72] JIMENEZ-LOZANO, JOEL N., US
[72] FARINELLI, WILLIAM A., US
[72] TAM, JOSHUA, US
[71] THE GENERAL HOSPITAL CORPORATION, US
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[51] **Int.Cl. B64D 33/02 (2006.01) B64C 7/00 (2006.01) B64D 33/08 (2006.01)**
[25] FR
[54] **ROTORCRAFT EQUIPPED WITH AN AERODYNAMIC DEVICE COMPRISING A FAIRING WITH AN AIR INTAKE**
[54] **GIRAVION EQUIPE D'UN DISPOSITIF AERODYNAMIQUE COMPORTANT UN CARENAGE PRESENTANT UNE ENTREE D'AIR**
[72] SERR, CHRISTOPHE, FR
[72] HONNORAT, OLIVIER, FR
[72] COQUILLAT, JEAN-CHRISTOPHE, FR
[71] AIRBUS HELICOPTERS, FR
[22] 2020-04-06
[41] 2020-06-17
[62] 3,077,617
[30] FR (1904542) 2019-04-30

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[54] **PET FEEDERS**
[54] **DISPOSITIFS D'ALIMENTATION POUR ANIMAUX DOMESTIQUES**
[72] HILL, NICHOLAS PATRICK ROLAND, GB
[71] SUREFLAP LTD, GB
[22] 2014-08-28
[41] 2015-03-05
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[51] **Int.Cl. C12N 15/82 (2006.01) C12N 15/113 (2010.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/11 (2006.01) C12N 15/29 (2006.01) C12N 15/53 (2006.01) C12N 15/54 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **MAIZE EVENT MON87429 AND METHODS OF USE THEREOF**
[54] **EVENEMENT DE MAIS MON87429 ET SES PROCEDES D'UTILISATION**
[72] ELLIS, CHRISTINE M., US
[72] GOLEY, MICHAEL E., US
[72] HUANG, JINTAI, US
[72] KLINGAMAN, TRACY E., US
[72] LARUE, CLAYTON T., US
[72] QI, YOULIN, US
[72] SPARKS, OSCAR C., US
[72] VAN SCOYOC, BROOK M., US
[72] YANG, HEPING, US
[71] MONSANTO TECHNOLOGY LLC, US
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[41] 2019-08-08
[62] 3,086,855
[30] US (62/625,537) 2018-02-02

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[25] EN
[54] **METHODS AND MEANS FOR AZIMUTHAL NEUTRON POROSITY IMAGING OF FORMATION AND CEMENT VOLUMES SURROUNDING A BOREHOLE**
[54] **PROCEDES ET MOYENS D'IMAGERIE DE LA POROSITE NEUTRON AZIMUTALE DES VOLUMES DE FORMATION ET DE CIMENT ENTOURANT UN TROU DE FORAGE**
[72] STEWART, ALEX, US
[72] TEAGUE, PHILIP, US
[71] TEAGUE, PHILIP, US
[71] STEWART, ALEX, US
[22] 2017-12-20
[41] 2018-08-16
[62] 3,052,776
[30] US (15/427,323) 2017-02-08
[30] US (15/589,025) 2017-05-08
[30] US (15/707,220) 2017-09-18
[30] US (15/845,554) 2017-12-18

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[13] A1
[25] EN
[54] **MODEL BUILDING ARCHITECTURE AND SMART ROUTING OF WORK ITEMS**
[54] **ARCHITECTURE DE BATIMENT MODELE ET ACHEMINEMENT INTELLIGENT D'ELEMENTS DE TRAVAIL**
[72] JAYARAMAN, BASKAR, US
[72] CHATTERJEE, DEBASHSISH, US
[72] GOVINDARAJAN, KANNAN, US
[72] THAKUR, ANIRUDDHA, US
[71] SERVICENOW, INC., US
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[41] 2018-11-04
[62] 3,003,617
[30] US (62/502,258) 2017-05-05
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[30] US (62/501,657) 2017-05-04
[30] US (62/501,646) 2017-05-04
[30] US (62/502,308) 2017-05-05
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[54] **RHO KINASE INHIBITORS**
[54] **INHIBITEURS DE RHO KINASE**
[72] POYUROVSKY, MASHA, US
[72] KIM, JI-IN, US
[72] LIU, KEVIN, US
[72] ZANIN-ZHOROV, ALEXANDRA, US
[71] KADMON CORPORATION, LLC, US
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[41] 2014-04-10
[62] 2,926,478
[30] US (61/710,373) 2012-10-05
[30] US (61/840,288) 2013-06-27

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[13] A1
[25] EN
[54] **ILLUMINATION SYSTEM FOR CONTROLLING COLOR TEMPERATURE AS A FUNCTION OF BRIGHTNESS**
[54] **SYSTEME D'ECLAIRAGE POUR COMMANDER LA TEMPERATURE DE COULEUR EN FONCTION DE LA LUMINOSITE**
[72] SOOCH, NAV, US
[72] HO, HORACE C., US
[72] FRANK, REBECCA, US
[72] LEWIS, JASON E., US
[72] BOCOCK, RYAN MATTHEW, US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
[22] 2017-08-07
[41] 2018-03-22
[62] 3,036,808
[30] US (15/265,422) 2016-09-14
[30] US (15/265,322) 2016-09-14
[30] US (15/265,203) 2016-09-14

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[13] A1
[25] EN
[54] **A METHOD OF REGISTERING INERTIAL MEASUREMENT UNITS IN AN OPERATING ROOM**
[54] **UNE METHODE D'ENREGISTREMENT D'UNITES DE MESURE D'INERTIE DANS UNE SALLED'OPERATION**
[72] MAHFOUZ, MOHAMED R., US
[71] MAHFOUZ, MOHAMED R., US
[22] 2014-12-09
[41] 2015-06-18
[62] 3,091,587
[30] US (61/913,608) 2013-12-09
[30] US (61/951,221) 2014-03-11
[30] US (61/977,984) 2014-04-10
[30] US (62/022,899) 2014-07-10

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A01K 67/027 (2006.01) C07K 16/30 (2006.01) C07K 16/46 (2006.01) C12N 5/16 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **HUMAN MONOCLONAL ANTIBODIES TO PROGRAMMED DEATH 1 (PD-1) AND METHODS FOR TREATING CANCER USING ANTI-PD-1 ANTIBODIES ALONE OR IN COMBINATION WITH OTHER IMMUNOTHERAPEUTICS**
[54] **ANTICORPS MONOCLONAUX HUMAINS POUR MORT PROGRAMMEE 1 (MP-1) ET PROCEDES POUR TRAITER LE CANCER EN UTILISANT DES ANTICORPS ANTI-MP-1 SEULS OU ASSOCIES A D'AUTRES IMMUNOTHERAPIES**
[72] KORMAN, ALAN J., US
[72] SRINIVASAN, MOHAN, US
[72] WANG, CHANGYU, US
[72] SELBY, MARK J., US
[72] CHEN, BING, US
[72] CARDARELLI, JOSEPHINE M., US
[72] HUANG, HAICHUN, US
[71] E. R. SQUIBB & SONS, L.L.C., US
[71] ONO PHARMACEUTICAL CO., LTD., JP
[22] 2006-05-02
[41] 2006-11-16
[62] 2,970,873
[30] US (60/679466) 2005-05-09
[30] US (60/738434) 2005-11-21
[30] US (60/748919) 2005-12-08

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[51] **Int.Cl. C09D 5/08 (2006.01) C09D 7/61 (2018.01) C23F 11/00 (2006.01)**
[25] EN
[54] **ANTI-CORROSION AND/OR PASSIVATION COMPOSITIONS FOR METAL CONTAINING SUBSTRATES AND METHODS FOR MAKING, ENHANCING, AND APPLYING THE SAME**
[54] **COMPOSITIONS ANTICORROSION OU PASSIVATION POUR DES SUBSTRATS COMPORTANT DU METAL ET PROCEDES CONNEXES DE FABRICATION, AMELIORATION ET APPLICATION**
[72] ZHANG, WEILONG, US
[72] KRYZMAN, MICHAEL A., US
[72] ZAFIRIS, GEORGIOS S., US
[72] JAWOROWSKI, MARK R., US
[72] PANZA-GIOSA, ROQUE, CA
[72] MANZINI, MARILEA, CA
[71] GOODRICH CORPORATION, US
[22] 2015-03-02
[41] 2015-09-28
[62] 2,883,546
[30] US (61/971,993) 2014-03-28
[30] US (14/316,403) 2014-06-26
[30] US (14/316,123) 2014-06-26

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[13] A1
[25] EN
[54] **METHOD TO PRODUCE A DENTAL STRUCTURE AND DENTAL STRUCTURE**
[54] **METHODE DE PRODUCTION D'UNE STRUCTURE DENTAIRE ET STRUCTURE DENTAIRE**
[72] VOLLMANN, MARKUS, DE
[72] SCHUSSER, UDO, DE
[71] DENTSPLY SIRONA INC., US
[71] DEGUDENT GMBH, DE
[22] 2016-05-20
[41] 2016-12-01
[62] 2,985,147
[30] DE (10 2015 108 178.4) 2015-05-22

[21] **3,151,382**
[13] A1
[25] EN
[54] **WEAR ASSEMBLY REMOVAL AND INSTALLATION**
[54] **RETRAIT ET INSTALLATION D'ENSEMBLE D'USURE**
[72] CLARKE, ROD, US
[72] CARPENTER, RYAN J., US
[72] CARPENTER, CHRISTOPHER M., US
[72] BEWLEY, ERIC L., US
[72] FINLEY, TAYLOR M., US
[72] BLOMBERG, JOSEPH E., US
[72] COWGILL, NOAH, US
[71] ESCO GROUP LLC, US
[22] 2014-10-20
[41] 2015-04-30
[62] 2,928,485
[30] US (61/893,833) 2013-10-21

[21] **3,151,384**
[13] A1
[25] EN
[54] **OPTIMIZED ROUTING OF INTERACTIONS TO CONTACT CENTER AGENTS BASED ON MACHINE LEARNING**
[54] **ACHEMINEMENT OPTIMISE D'INTERACTIONS VERS DES AGENTS DE CENTRE D'APPELS SUR LA BASE D'UN APPRENTISSAGE MACHINE**
[72] ARAVAMUDHAN, BHARATH, US
[72] DUCLOS, GREGORY, US
[72] KONIG, YOCHAI, US
[72] MAKAGON, PETR, US
[72] MCGANN, CONOR, US
[72] PELEMIS, DAMJAN, CA
[72] RISTOCK, HERBERT WILLI ARTUR, US
[72] ZHAKOV, VYACHESLAV, US
[71] GREENEDEN U.S. HOLDINGS II, LLC, US
[22] 2016-10-18
[41] 2017-04-27
[62] 3,009,944
[30] US (14/887,310) 2015-10-19
[30] US (14/887,318) 2015-10-19
[30] US (14/887,276) 2015-10-19
[30] US (14/887,297) 2015-10-19

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[54] **WEAR ASSEMBLY REMOVAL AND INSTALLATION**
[54] **RETRAIT ET INSTALLATION D'ENSEMBLE D'USURE**
[72] CLARKE, ROD, US
[72] CARPENTER, RYAN J., US
[72] CARPENTER, CHRISTOPHER M., US
[72] BEWLEY, ERIC L., US
[72] FINLEY, TAYLOR M., US
[72] BLOMBERG, JOSPEH E., US
[72] COWGILL, NOAH, US
[71] ESCO GROUP LLC, US
[22] 2014-10-20
[41] 2015-04-30
[62] 2,928,485
[30] US (61/893,833) 2013-10-21

[21] **3,151,387**
[13] A1
[25] EN
[54] **LIPID COMPOSITIONS FOR THE DELIVERY OF THERAPEUTIC AGENTS**
[54] **COMPOSITIONS DE LIPIDES SERVANT A DISTRIBUER DES AGENTS THERAPEUTIQUES**
[72] MANOHARAN, MUTHIAH, US
[72] RAJEEV, KALLANTHOTTATHIL, US
[72] JAYARAMAN, MUTHUSAMY, US
[72] BUTLER, DAVID, US
[72] JUNG, MICHAEL E., US
[71] ARBUTUS BIOPHARMA CORPORATION, US
[22] 2010-05-05
[41] 2010-11-11
[62] 3,042,927
[30] US (61/175,770) 2009-05-05
[30] US (61/299,291) 2010-01-28

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[13] A1
[25] EN
[54] **WEAR ASSEMBLY REMOVAL AND INSTALLATION**
[54] **RETRAIT ET INSTALLATION D'ENSEMBLE D'USURE**
[72] CLARKE, ROD, US
[72] CARPENTER, RYAN J., US
[72] CARPENTER, CHRISTOPHER M., US
[72] BEWLEY, ERIC L., US
[72] FINLEY, TAYLOR M., US
[72] BLOMBERG, JOSEPH E., US
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[62] 2,928,485
[30] US (61/893,833) 2013-10-21

[21] **3,151,394**
[13] A1
[25] EN
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[54] **CONSTRUCTIONS PHARMACEUTIQUES PRESENTANT UNE AFFINITE DE LIAISON AMELIOREE AVEC L'ALBUMINE**
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