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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

[41] - Open to Public Inspection Date
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[51] - International Classification
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[54] - Title of Invention
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[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
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[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

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

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

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

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 May 3, 2022 contains applications open to public inspection from April 17, 2022 to April 23, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 3 mai 2022 contient les demandes disponibles au public pour consultation pour la période du 17 avril 2022 au 23 avril 2022.

16. Dedication to the Public

The Commissioner of Patents
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent **No. 2687078**
Issued: 2012-04-10
Present Owner: ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED

Title: **NOVEL SOLVATE AND CRYSTALLINE FORMS OF CARBAMOYL-CYCLOHEXANE DERIVATIVES**

Subject to the terms of this document, ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED, as the owner of Canadian Patent No. 2,687,078, entitled "NOVEL SOLVATE AND CRYSTALLINE FORMS OF CARBAMOYL-CYCLOHEXANE DERIVATIVES" (inventors GRILL, ANDREAS; LIAO, XIANGMIN; ZHU, HAIJIAN) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,687,078 for the entirety of the term of the Patent.
The present dedication of the Canadian Patent No. 2,687,078 is made without any prejudice to the rights of ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED in and to any other patent or pending patent applications.
The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,687,078 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,687,078.
The patentee, ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Toronto, Ontario, Canada this 4th day of November, 2021.
[signature]
Name: Teresa Reguly at Torys LLP
Title: Agent for the Patentee

16. Cession au Domaine Public

Le Commissaire des brevets
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien **no: 2687078**
Delivré : 2012-04-10
Titulaire actuel : ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED

Titre : **NOUVEAU SOLVATE ET FORMES CRISTALLINES DE DERIVES DE CARBAMOYLE-CYCLOHEXANE**

Par la présente et sous réserve des dispositions du présent document, ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED, à titre de propriétaire du brevet canadien no 2,687,078, intitulé « NOUVEAU SOLVATE ET FORMES CRISTALLINES DE DERIVES DE CARBAMOYLE-CYCLOHEXANE » (inventeurs GRILL, ANDREAS; LIAO, XIANGMIN; ZHU, HAIJIAN) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,687,078 pour toute la durée du brevet.
La présente cession du brevet canadien no 2,687,078 se fait sans préjudice des droits ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED sur l'ensemble des brevets et des demandes de brevet en instance.
La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,687,078 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,687,078.
Le breveté, ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet, en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Toronto, Ontario, Canada ce 4e jour de novembre 2021.
[signature]
Nom : Teresa Reguly à Torys LLP
Titre : Agent du breveté

17. Dedication to the Public

The Commissioner of Patents
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent **No. 2756796**
Issued: 2018-05-22
Present Owner: ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED

Title: **NOVEL SOLVATE AND CRYSTALLINE FORMS OF CARBAMOYL-CYCLOHEXANE DERIVATIVES**

Subject to the terms of this document, ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED, as the owner of Canadian Patent No. 2,756,796, entitled "NOVEL SOLVATE AND CRYSTALLINE FORMS OF CARBAMOYL-CYCLOHEXANE DERIVATIVES" (inventors GRILL, ANDREAS; LIAO, XIANGMIN; ZHU, HAIJIAN) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,756,796 for the entirety of the term of the Patent.
The present dedication of the Canadian Patent No. 2,756,796 is made without any prejudice to the rights of ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED in and to any other patent or pending patent applications.
The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,756,796 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,756,796.
The patentee, ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Toronto, Ontario, Canada this 4th day of November, 2021.
[signature]
Name: Teresa Reguly at Torys LLP
Title: Agent for the Patentee

17. Cession au Domaine Public

Le Commissaire des brevets
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien **no: 2756796**
Delivré : 2018-05-22
Titulaire actuel : ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED

Titre : **NOUVEAU SOLVATE ET FORMES CRISTALLINES DE DERIVES DE CARBAMOYLE-CYCLOHEXANE**

Par la présente et sous réserve des dispositions du présent document, ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED, à titre de propriétaire du brevet canadien no 2,756,796, intitulé « NOUVEAU SOLVATE ET FORMES CRISTALLINES DE DERIVES DE CARBAMOYLE-CYCLOHEXANE » (inventeurs GRILL, ANDREAS; LIAO, XIANGMIN; ZHU, HAIJIAN) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,756,796 pour toute la durée du brevet.
La présente cession du brevet canadien no 2,756,796 se fait sans préjudice des droits ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED sur l'ensemble des brevets et des demandes de brevet en instance.
La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,756,796 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,756,796.
Le breveté, ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet, en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Toronto, Ontario, Canada ce 4e jour de novembre 2021.
[signature]
Nom : Teresa Reguly à Torys LLP
Titre : Agent du breveté

18. Erratum

All information respecting patent application number 3,083,198 referred to under the section *Canadian Divisional and Previously Unavailable Applications Open to Public Inspection*, contained in Vol. 148 No. 30 July 28 2020, in the issue of the *Canadian Patent Office Record,* were erroneously published and should be disregarded.

18. Erratum

Toutes les informations relatives à la demande de brevet numéro 3,083,198 mentionné dans la rubrique *Demandes Canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant*, contenues dans le Vol. 148 No. 30 du 28 juillet 2020, de la gazette du bureau des brevets, ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

May 3, 2022

Brevets canadiens délivrés

3 mai 2022

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[54] **PROCEDE DIAGNOSTIQUE D'IDENTIFICATION DES PATIENTS CANDIDATS A UN TRAITEMENT AU TRASTUZUMAB**
[72] MORRISON, LARRY E., US
[72] JEWELL, SUSAN S., US
[72] COON, JOHN S., US
[73] ABBOTT MOLECULAR INC., US
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[51] **Int.Cl. A61F 2/06 (2013.01) A61B 5/02 (2006.01) A61B 17/12 (2006.01)**
[25] EN
[54] **A DEVICE FOR TREATMENT OF ANEURYSM**
[54] **DISPOSITIF DE TRAITEMENT D'UN ANEVRISME**
[72] FORSELL, PETER, CH
[73] IMPLANTICA PATENT LTD., MT
[85] 2011-04-07
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[25] EN
[54] **PRODUCTION OF SOY PROTEIN PRODUCT USING CALCIUM CHLORIDE EXTRACTION ("S702/S7300/S7200/S7301")**
[54] **PRODUCTION, PAR EXTRACTION AU CHLORURE DE CALCIUM, D'UN PRODUIT DE TYPE PROTEINE DE SOJA (« 702/S7300/S7200/S7301 »)**
[72] SEGALL, KEVIN I., CA
[72] SCHWEIZER, MARTIN, CA
[72] GREEN, BRENT E., CA
[72] MEDINA, SARAH, CA
[72] GOSNELL, BRANDY, CA
[73] BURCON NUTRASCIENCE (MB) CORP., CA
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[25] EN
[54] **PAYMENT SYSTEMS AND METHODS USING MOBILE COMPUTING DEVICES**
[54] **SYSTEMES DE PAIEMENT ET METHODES D'UTILISATION DE DISPOSITIFS INFORMATIQUES MOBILES**
[72] FALK, KEVIN B., CA
[72] VOLBERG, RYAN W., CA
[73] INFOR (CANADA), LTD., CA
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[51] **Int.Cl. G01V 1/22 (2006.01) G01V 1/20 (2006.01)**
[25] EN
[54] **WIRELESS MESH NETWORK AND METHOD FOR REMOTE SEISMIC RECORDING**
[54] **RESEAU MAILLE SANS FIL ET METHODE D'ENREGISTREMENT SISMIQUE A DISTANCE**
[72] MURIAS, RONALD G., CA
[72] HAYDAR, RASHED, CA
[73] SRD INNOVATIONS INC., CA
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[25] EN
[54] **VIRAL PARTICLE RELEASED AFTER INFECTION OF MAMMALIAN CELLS BY HUMAN CYTOMEGALOVIRUS (HCMV) CONTAINING A FUSION PROTEIN AND USE THEREOF**
[54] **PARTICULE VIRALE LIBEREE APRES INFECTION DE CELLULES DE MAMMIFERE PAR UN CYTOMEGALOVIRUS HUMAIN (HCMV) CONTENANT UNE PROTEINE DE FUSION ET UTILISATION ASSOCIEE**
[72] BECKE, SABINE, DE
[72] REYDA, SABINE, DE
[72] PLACHTER, BODO, DE
[73] VAKZINE PROJEKT MANAGEMENT GMBH, DE
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[54] **LOW AFFINITY BLOOD BRAIN BARRIER RECEPTOR ANTIBODIES AND USES THEREFOR**
[54] **ANTICORPS ANTI-RECEPTEUR DE LA BARRIERE HEMATO-ENCEPHALIQUE A FAIBLE AFFINITE ET LEURS UTILISATIONS**
[72] DENNIS, MARK, US
[72] WATTS, RYAN JEFFERSON, US
[72] YU, YUNHUA JOY, US
[72] ZHANG, YIN, US
[73] GENENTECH, INC., US
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[51] **Int.Cl. C07K 1/06 (2006.01) A61K 38/22 (2006.01) A61P 3/10 (2006.01) C07K 14/575 (2006.01)**
[25] EN
[54] **SITE-DIRECTED MONO-SUBSTITUTED PEGYLATED EXENDIN ANALOG AND PREPARATION METHOD THEREFOR**
[54] **ANALOGUE D'EXENDINE PEGYLE MONOSUBSTITUE DIRIGE ET SON PROCEDE DE PREPARATION**
[72] YUE, PENG, CN
[73] SHANGHAI BENEMAE PHARMACEUTICAL CORPORATION, CN
[85] 2013-09-05
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[51] **Int.Cl. A61K 31/137 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING DEPRESSION USING CYCLOBENZAPRINE**
[54] **PROCEDES ET COMPOSITIONS DESTINES AU TRAITEMENT DE LA DEPRESSION EN UTILISANT DE LA CYCLOBENZAPRINE**
[72] LEDERMAN, SETH, US
[73] TONIX PHARMA HOLDINGS LIMITED, BM
[85] 2013-09-05
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[25] EN
[54] **MOBILE DEVICE-BASED SYSTEM FOR AUTOMATED, REAL TIME HEALTH RECORD EXCHANGE**
[54] **SYSTEME BASE SUR UN DISPOSITIF MOBILE DESTINE A UN ECHANGE AUTOMATISE ET EN TEMPS REEL D'UN DOSSIER MEDICAL**
[72] EXPERTON, BETTINA, US
[73] HUMETRIX, US
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[25] EN
[54] **LACTIC ACID BACTERIAL STRAINS THAT COAGGREGATE WITH STAPHYLOCOCCUS AUREUS, AND COMPOSITIONS AND USES OF THE STRAINS**
[54] **LIGNEES BACTERIENNES D'ACIDE LACTIQUE QUI FONT COAGREGAT AVEC STAPHYLOCOCCUS AUREUS, ET COMPOSITIONS ET UTILISATIONS DES LIGNEES**
[72] LANG, CHRISTINE, DE
[72] RAAB, ANDREAS, DE
[72] GOLLETZ, PATRICK, DE
[73] ORGANOBALANCE MEDICAL AG, DE
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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/02 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **DOSAGE REGIMEN FOR ADMINISTERING A CD19XCD3 BISPECIFIC ANTIBODY TO PATIENTS AT RISK FOR POTENTIAL ADVERSE EFFECTS**
[54] **REGIME POSOLOGIQUE POUR L'ADMINISTRATION D'UN ANTICORPS BISPECIFIQUE CD19XCD3 A DES PATIENTS A RISQUE D'EVENTUELS EFFETS INDESIRABLES**
[72] NAGORSEN, DIRK, DE
[73] AMGEN RESEARCH (MUNICH) GMBH, DE
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[25] EN
[54] **TETRAZINE DERIVATIVES USED IN BIO-ORTHOGONAL DRUG ACTIVATION**
[54] **DERIVES DE TETRAZINE UTILISES DANS L'ACTIVATION DE MEDICAMENTS BIO-ORTHOGONAUX**
[72] ROBILLARD, MARC STEFAN, NL
[72] JANSSEN, HENRICUS MARIE, NL
[72] TEN HOEVE, WOLTER, NL
[72] VERSTEEGEN, RONNY MATHIEU, NL
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[25] EN
[54] **BLOCKADE OF INFLAMMATORY PROTEASES WITH THETA - DEFENSINS**
[54] **BLOCAGE DE PROTEASES INFLAMMATOIRES PAR DES THETA - DEFENSINES**
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[73] BANNER ENVIRONMENTAL ENGINEERING CONSULTANTS LTD., CA
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[72] BLEILE, DENNIS M., US
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[72] LONGTIN, DANIEL D., CA
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[72] TU, NAXIN, US
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[72] ASRAR, JAWED, US
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[54] **COMBINAISONS D'ELEMENTS VECTEURS D'EXPRESSION, NOUVEAUX PROCEDES DE GENERATION DE CELLULES PRODUCTRICES ET LEUR UTILISATION POUR LA PRODUCTION RECOMBINANTE DE POLYPEPTIDES**
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[72] OMINSKI, KIM, CA
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[72] KONG-LABRIE, RICHARD PAUL, CA
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[72] BEELEY, NIGEL R. A., US
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[73] THE SCHEPENS EYE RESEARCH INSTITUTE, US
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[54] **METHODE ET SYSTEMES D'ISOLATION OU DE SEPARATION D'ETHANOL DE MATIERE RENFERMANT UN HYDROCARBURE**
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[72] DAVIS, KIM, US
[72] BELL, JASON, US
[72] KACMAR, JAMES, US
[73] SMARTFLOW TECHNOLOGIES, INC., US
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[73] LEVITON MANUFACTURING CO., INC., US
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[54] **TRANSITION DE LARGE BANDE D'ONDES MILLIMETRIQUES DE LIGNE MICRORUBAN SUR SUBSTRATS MINCES A EPAIS**
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[72] KANJ, HOUSSAM, CA
[72] DEVRIES, CHRISTOPHER, CA
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[73] BLACKBERRY LIMITED, CA
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[54] **SYSTEME D'ALIMENTATION GRANDE VITESSE POUR UNE UNITE DE SEDIMENTATION D'ECUME**
[72] GARNER, WILLIAM NICHOLAS, CA
[72] MOETAMED-SHARIATI, SABA, CA
[72] HILDERMAN, TREVOR LLOYD, CA
[72] KIEL, DARWIN EDWARD, CA
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[54] **UTILISATION DE COMPOSES DE MAGNESIUM DANS LE TRAITEMENT DE L'EAU POTABLE**
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[72] AHL, J. PETER, US
[73] PREMIER MAGNESIA, LLC, US
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[54] **DISPOSITIFS ET PROCEDES FACILITANT DES INTERVENTIONS DE GASTRECTOMIE LONGITUDINALE**
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[54] **AGENTS ANTIGRIPPAUX AMELIORES, CONJUGUES AVEC UNE ACTIVITE ANTI-INFLAMMATOIRE**
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[72] FANG, JIM-MIN, TW
[72] LIU, KUNG-CHENG, TW
[72] JAN, JIA-TSRONG, TW
[72] CHENG, YIH-SHYUN E., TW
[72] CHENG, TING-JEN R., TW
[73] ACADEMIA SINICA, TW
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[54] **COMPOSITIONS FOR TOPICAL TREATMENT OF MICROBIAL INFECTIONS**
[54] **COMPOSITIONS POUR LE TRAITEMENT TOPIQUE D'INFECTIONS MICROBIENNES**
[72] SCHLIEVERT, PATRICK, US
[73] HENNEPIN LIFE SCIENCES, US
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[54] **PLANT WITH TARGETED MODIFICATION OF THE ENDOGENOUS MALATE DEHYDROGENASE GENE**
[54] **PLANT AYANT UNE MODIFICATION CIBLEE DU GENE DE MALATE DESHYDROGENASE ENDOGENE**
[72] SHUKLA, VIPULA, US
[72] GUPTA, MANJU, US
[72] URNOV, FYODOR, US
[72] GUSCHIN, DMITRY, US
[72] JAN DE BOTH, MICHIEL, US
[72] BUNDOCK, PAUL, US
[72] SASTRY-DENT, LAKSHMI, US
[73] SANGAMO THERAPEUTICS, INC., US
[73] CORTEVA AGRISCIENCE LLC, US
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[54] **ETALONNAGE D'UN SYSTEME D'ACQUISITION CAN DOUBLE**
[72] GREEN, MARTIN RAYMOND, GB
[72] WILDGOOSE, JASON LEE, GB
[73] MICROMASS UK LIMITED, GB
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[54] **CORRECTEUR NON LINEAIRE NUMERIQUE POUR PALIERS MAGNETIQUES ACTIFS**
[72] SADI-HADDAD, LAKDAR, FR
[72] DASILVA, JOAQUIM, FR
[72] LEMARCHAND, OLIVIER, FR
[73] SKF MAGNETIC MECHATRONICS, FR
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[54] **DISPOSITIF FACILITANT UN MOUVEMENT DE BALANCIER ADEQUAT**
[72] STAHL, HERBERT D., CA
[73] STAHL, HERBERT D., CA
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[54] **METHODS AND APPARATUS TO SHARE ONLINE MEDIA IMPRESSIONS DATA**
[54] **PROCEDES ET APPAREIL POUR PARTAGER DES DONNEES D'IMPRESSION MULTIMEDIA EN LIGNE**
[72] SETH, AMIT, US
[72] SHIVAMPET, BRAHMANAND REDDY, US
[73] THE NIELSEN COMPANY (US), LLC, US
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[54] **ADHESIVE SIGNATURE-BASED METHODS FOR THE ISOLATION OF STEM CELLS AND CELLS DERIVED THEREFROM**
[54] **PROCEDES BASES SUR LA "SIGNATURE ADHESIVE" DESTINES A ISOLER DES CELLULES SOUCHES ET DES CELLULES DERIVEES DE CELLES-CI**
[72] SINGH, ANKUR, US
[72] SURI, SHALU, US
[72] MCDEVITT, TODD CHRISTOPHER, US
[72] LU, HANG, US
[72] GARCIA, ANDRES JOSE, US
[73] GEORGIA TECH RESEARCH CORPORATION, US
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[54] **AUTORISATION DE DISPOSITIF INFORMATIQUE A DIVERS SERVICES**
[72] SNYDER, CHRIS, CA
[73] BCE INC., CA
[86] (2876708)
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[54] **CHUTE OPENER**
[54] **DISPOSITIF D'OUVERTURE DE CHUTE**
[72] GERSPACHER, BRYCE, CA
[72] MICHEL, BUD, CA
[72] MICHEL, RON, CA
[73] MICHEL'S INDUSTRIES LTD., CA
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[54] **SYSTEME COLLABORATIF DE VERIFICATION DE DILIGENCE RAISONNABLE**
[72] BERESFORD-WOOD, BRET, SE
[72] GROSSE, AMANDA, SE
[73] NASDAQ, INC., US
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[54] **METHOD AND DEVICE FOR CLASSIFYING WATERCRAFT**
[54] **PROCEDE ET DISPOSITIF POUR LE CLASSEMENT DE VEHICULES NAUTIQUES**
[72] MEERPOHL, GREGOR, DE
[72] KRUGER, THOMAS, DE
[72] TIESTE, RALPH, DE
[73] ATLAS ELEKTRONIK GMBH, DE
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[54] **A NESTABLE SINGLE CELL STRUCTURE FOR USE IN A POWER CONVERSION SYSTEM**
[54] **STRUCTURE A CELLULE UNIQUE EMBOITABLE POUR UTILISATION DANS UN SYSTEME DE CONVERSION DE PUISSANCE**
[72] ZHANG, RICHARD S., CN
[72] ZHANG, FAN, CN
[72] CHEN, KUNLUN, CN
[72] SCHROEDER, STEFAN, DE
[72] YUAN, ZHIHUI, DE
[72] SHEN, JIE, DE
[73] GE ENERGY POWER CONVERSION TECHNOLOGY LTD, GB
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[54] **SYSTEME A EVAPORATION DE MEDIA A PLUSIEURS POMPES**
[72] KIRKWOLD, MARK ALLEN, US
[72] FARLEY, COLE K., US
[72] LUNDGREEN, JAMES M., US
[73] DRI-STEEM CORPORATION, US
[86] (2878775)
[87] (2878775)
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[54] **GASTRO-RETENTIVE DRUG DELIVERY SYSTEM**
[54] **SYSTEME D'ADMINISTRATION PHARMACOLOGIQUE A RETENTION GASTRIQUE**
[72] MEIJERINK, HENDRIK JAN CORNELIS, BE
[72] CHANGOER, LEKHRAM, NL
[72] BLOM, WILLEM, NL
[72] VISSER, MARINELLA REGINA, NL
[72] FRIJLINK, HENDERIK WILLEM, NL
[72] EISSENS, ANKO CORNELUS, NL
[73] APET HOLDING B.V., NL
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[54] **METHOD FOR OPERATING A WIND FARM AND WIND FARM**
[54] **METHODE D'EXPLOITATION D'UNE FERME D'EOLIENNES ET FERME D'EOLIENNES**
[72] CARDINAL, MARK EDWARD, US
[72] KURUVILLA, KURUVILLA PALLATHUSSERIL, US
[72] UBBEN, ENNO, US
[73] GENERAL ELECTRIC COMPANY, US
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[87] (2880394)
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[54] **PROCESSING OF BLOCKS OR BALES OF FEED**
[54] **TRAITEMENT DE BLOCS OU BALLES D'ALIMENTS**
[72] LIET, CORNELIS HENDRICUS, NL
[73] TRIOLIET HOLDING B.V., NL
[85] 2015-01-30
[86] 2013-07-31 (PCT/NL2013/050570)
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[54] **COMPOSITIONS TOPIQUES COMPRENANT UN RESORCINOL ET DES POUDRES**
[72] BRILLOUET, ANNE-SOPHIE, US
[72] DUFORT, MARISA DEVITA, US
[72] YUAN, XUDONG, US
[73] JOHNSON & JOHNSON CONSUMER COMPANIES, INC., US
[86] (2881493)
[87] (2881493)
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[54] **METHODS AND COMPOSITIONS FOR PREVENTING NORLEUCINE MISINCORPORATION INTO PROTEINS**
[54] **METHODES ET COMPOSITIONS POUR LA PREVENTION D'UNE MAUVAISE INCORPORATION DE NORLEUCINE DANS DES PROTEINES**
[72] LAIRD, MICHAEL W., US
[72] VEERAVALLI, KARTHIK, US
[73] GENENTECH, INC., US
[85] 2015-02-17
[86] 2013-09-19 (PCT/US2013/060653)
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[54] **COMPOSITIONS COSMETIQUES COMPRENANT EPA ET GLA ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] MANKU, MEHAR, GB
[72] CLIMAX, JOHN, IE
[72] COUGHLAN, DAVID, IE
[73] AFIMMUNE LIMITED, IE
[85] 2015-02-20
[86] 2013-09-05 (PCT/IB2013/058321)
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[25] EN
[54] **PIGMENTED COATING COMPOSITION WITH A SULFONIC ACID FUNCTIONALIZED DISPERSANT AND A PHOSPHORUS ACID FUNCTIONALIZED BINDER**
[54] **COMPOSITION DE REVETEMENT PIGMENTE COMPORTANT UN DISPERSANT FONCTIONNALISE D'ACIDE SULFONIQUE ET UN LIANT FONCTIONNALISE D'ACIDE PHOSPHORIQUE**
[72] DEROCHER, JONATHAN, US
[72] HENDERSON, KEVIN J., US
[72] SAN MIGUEL RIVERA, LIDARIS, US
[72] VAN DYK, ANTONY K., US
[72] WANG, TAO, AU
[72] SINGH, ANURIMA, AU
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[73] ROHM AND HAAS COMPANY, US
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[54] **METHODS FOR THE PREPARATION OF INDACATEROL AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF**
[54] **PROCEDES DE PREPARATION D'INDACATEROL ET DE SELS PHARMACEUTIQUEMENT ACCEPTABLES DE CELUI-CI**
[72] BONDE-LARSEN, ANTONIO LORENTE, ES
[72] SAINZ, YOLANDA FERNANDEZ, ES
[72] RETUERTO, JESUS IGLESIAS, ES
[72] NIETO, JAVIER GALLO, ES
[73] CRYSTAL PHARMA S.A.U., ES
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[25] EN
[54] **WINDOW CONTAMINATION SENSOR FOR OPTICAL DETECTION SYSTEMS**
[54] **DETECTEUR DE CONTAMINATION DE FENETRE POUR SYSTEMES DE DETECTION OPTIQUE**
[72] RAY, MARK, US
[72] ANDERSON, KAARE JOSEF, US
[73] ROSEMOUNT AEROSPACE, INC., US
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[54] **END-OF-CAR ENERGY MANAGEMENT SYSTEM FOR RAILCARS**
[54] **MECANISME DE GESTION D'ENERGIE DE FIN DE CONVOI POUR WAGONS**
[72] ILER, DARRELL, US
[73] CANADIAN NATIONAL RAILWAY COMPANY, CA
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[54] **TRANSPORTABLE RECEIVING AND STORAGE SYSTEM WITH REDUNDANCY**
[54] **SYSTEME DE RECEPTION ET DE STOCKAGE TRANSPORTABLE AVEC REDONDANCE**
[72] HERMAN, ALVIN, CA
[72] HERMAN, ERIN, CA
[73] QUICKTHREE TECHNOLOGY, LLC, US
[86] (2885668)
[87] (2885668)
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[54] **SYSTEME D'ECOULEMENT D'ADMISSION DE SONDE D'ECHANTILLON**
[72] EASTON, MATT, GB
[72] TAYLOR, STEPHEN, GB
[73] SMITHS DETECTION - WATFORD LIMITED, GB
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[54] **INHIBITORS OF BETA-HYDROXYLASE FOR TREATMENT OF CANCER**
[54] **INHIBITEURS DE BETA-HYDROXYLASE POUR LE TRAITEMENT DU CANCER**
[72] WANDS, JACK R., US
[72] DE LA MONTE, SUZANNE, US
[72] AIHARA, ARIHIRO, US
[72] OLSEN, MARK JON, US
[72] THOMAS, JOHN-MICHAEL, US
[73] RHODE ISLAND HOSPITAL, US
[73] MIDWESTERN UNIVERSITY, US
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[54] **LIGNEE CELLULAIRE**
[72] GRABSTEIN, KENNETH H., US
[72] VAN BRUNT, MICHAEL, US
[72] MARELLI, MARCELLO, US
[72] BRADY, WILLIAM, US
[72] JOHNSON, JEFFREY C., US
[73] MEDIMMUNE LIMITED, GB
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[30] US (61/705,116) 2012-09-24
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[25] EN
[54] **APPARATUS FOR CONNECTING AN APPLIANCE/TOOL AND A METHOD THEREFOR**
[54] **APPAREIL DE RACCORDEMENT DE DISPOSITIF/D'OUTIL ET PROCEDE ASSOCIE**
[72] JONSSON, ANDERS, SE
[72] BJUHR, NIKLAS, SE
[73] ROTOTILT GROUP AB, SE
[85] 2015-03-25
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[54] **SLIDE-IN MOUNTABLE FUEL PUMP ASSEMBLY**
[54] **DISPOSITIF DE POMPE A ESSENCE INSTALLABLE PAR COULISSEMENT**
[72] SARDER, MARK J., US
[72] DEHN, JAMES J., US
[73] CHAMPION POWER EQUIPMENT, US
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[87] (2886872)
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[54] **PROCEDES DE MODIFICATION D'UNE CELLULE-HOTE**
[72] WACKER, MICHAEL, CH
[72] KOWARIK, MICHAEL, CH
[72] FERNANDEZ, FABIANA, CH
[73] GLAXOSMITHKLINE BIOLOGICALS SA, BE
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[54] **CEILING HATCH**
[54] **TRAPPE DE PLAFOND**
[72] BONDU, MATHIEU, CA
[73] 9249-8948 QUEBEC INC., CA
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[54] **PEPTIDES MIMETIQUES**
[72] VUILLEUMIER, NICOLAS, CH
[72] PAGANO, SABRINA, CH
[72] HARTLEY, OLIVER, CH
[72] GAERTNER, HUBERT, FR
[72] CAMILLO TEIXEIRA, PRISCILA, CH
[72] CUTLER, PAUL, CH
[72] FERBER, PHILIPPE, FR
[73] LES HOPITAUX UNIVERSITAIRES DE GENEVE, CH
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[73] F. HOFFMANN-LA ROCHE AG, CH
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[54] **SWIMMING POOL WITH ADJUSTABLE POOL FLOOR SYSTEM**
[54] **PISCINE AYANT UN SYSTEME DE SOL DE PISCINE REGLABLE**
[72] WEIJERS, THEODORUS MARCELIS CORNELIS, NL
[72] COESEL, MARCO BERNARDUS WIEBREN, NL
[73] VARIOPOOL B.V., NL
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[54] **NEUTRON ENCODED MASS TAGS FOR ANALYTE QUANTIFICATION**
[54] **ETIQUETTES DE MASSE CODEES EN NEUTRONS POUR QUANTIFICATION D'ANALYTE**
[72] COON, JOSHUA J., US
[72] HEBERT, ALEX, US
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
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[25] EN
[54] **LOW PROFILE SUMP AND HIGH EFFICIENCY SUCTION**
[54] **AFFAISSEMENT A PROFIL BAS ET SUCCION A HAUTE EFFICACITE**
[72] LINGEL, F. JOSEPH, US
[72] LINGEL, ANDREW, US
[72] WOJNOWSKI, STANLEY, US
[72] ASHLEY, MICHAEL, US
[73] UNITED PLASTIC FABRICATING, INC., US
[86] (2889461)
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[25] EN
[54] **O-GLYCOSYLATED CARBOXY TERMINAL PORTION (CTP) PEPTIDE-BASED INSULIN AND INSULIN ANALOGUES**
[54] **INSULINE ET ANALOGUES D'INSULINE A BASE DE PEPTIDE A PARTIE TERMINALE CARBOXY (PTC) O-GLYCOSYLEE**
[72] DIMARCHI, RICHARD D., US
[72] LI, PENGYUN, US
[72] MEEHL, MICHAEL, US
[73] MERCK SHARP & DOHME CORP., US
[73] INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION, US
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[54] **DNA METHYLATION BIOMARKERS OF POST-PARTUM DEPRESSION RISK**
[54] **BIOMARQUEURS DE METHYLATION DE L'ADN POUR EVALUER LE RISQUE DE DEPRESSION SURVENANT APRES L'ACCOUCHEMENT**
[72] KAMINSKY, ZACHARY, US
[72] PAYNE, JENNIFER L., US
[72] GOULD, TODD, US
[73] THE JOHNS HOPKINS UNIVERSITY, US
[73] UNIVERSITY OF MARYLAND, US
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[25] EN
[54] **METHOD TO DEVELOP HERBICIDE-RESISTANT SUGAR BEET PLANTS**
[54] **PROCEDE POUR LE DEVELOPPEMENT DE PLANTES DE BETTERAVE SUCRIERE RESISTANTES AUX HERBICIDES**
[72] WEYENS, GUY, BE
[72] LEFEBVRE, MARC, BE
[72] HAIN, RUDIGER, DE
[72] JOHANN, GERHARD, DE
[73] SESVANDERHAVE N.V., BE
[85] 2015-05-05
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[25] EN
[54] **SOLANUM LYCOPERSICUM PLANTS HAVING NON-TRANSGENIC ALTERATIONS IN THE ACS2 GENE**
[54] **PLANTES DE SOLANUM LYCOPERSICUM PRESENTANT DES ALTERATIONS NON-TRANSGENIQUES DANS LE GENE ACS2**
[72] VRIEZEN, HENDRIK WILLEM, NL
[73] NUNHEMS B.V., NL
[85] 2015-05-15
[86] 2013-11-20 (PCT/EP2013/074309)
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[54] **APPARATUS AND METHODS EMPLOYING LIQUID-IMPREGNATED SURFACES**
[54] **APPAREIL ET PROCEDES FAISANT APPEL A DES SURFACES IMPREGNEES DE LIQUIDE**
[72] SMITH, J. DAVID, US
[72] ANAND, SUSHANT, US
[72] BENGALURU SUBRAMANYAM, SRINIVAS PRASAD, US
[72] RYKACZEWKSI, KONRAD, US
[72] VARANASI, KRIPA K., US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
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[25] EN
[54] **PROCESSES AND APPARATUS FOR PRODUCING NANOCELLULOSE, AND COMPOSITIONS AND PRODUCTS PRODUCED THEREFROM**
[54] **PROCEDES ET APPAREIL DE PRODUCTION DE NANOCELLULOSE ET COMPOSITIONS ET COMPOSITIONS ET PRODUITS OBTENUS A PARTIR DE CELLE-CI**
[72] NELSON, KIMBERLY, US
[72] RETSINA, THEODORA, US
[72] PYLKKANEN, VESA, US
[72] O'CONNOR, RYAN, US
[73] GRANBIO INTELLECTUAL PROPERTY HOLDINGS, LLC, US
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[51] **Int.Cl. C10M 161/00 (2006.01) C10M 137/10 (2006.01) C10M 145/22 (2006.01)**
[25] EN
[54] **LUBRICATING OIL COMPOSITIONS OF BASE OIL, DIHYDROCARBYL DITHIOPHOSPHATE METAL SALT, AND POLYMERIC FRICTION MODIFIERS DERIVED FROM FUNCTIONALIZED POLYOLEFIN, POLYALKYLENE GLYCOL,POLYOL, AND POLYCARBOXYLIC ACID**
[54] **COMPOSITIONS D'HUILE DE LUBRIFICATION COMPORTANT UNE HUILE DE BASE, UN SEL DE METAL DE DITHIOPHOSPHATE DIHYDROCARBYL ET DES MODIFICATEURS DE FROTTEMENT POLYMERIQUES DERIVES DE POLYOLEFINE FONCTIONNALISEE, DE POLYALKYLENE GLYCOL, DE POLYOL ET D'ACIDE POLYCARBOXYLIQUE**
[72] STRONG, ANTHONY JAMES, GB
[72] WOODWARD, PHILIP JAMES, GB
[73] INFINEUM INTERNATIONAL LIMITED, GB
[86] (2893426)
[87] (2893426)
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[25] EN
[54] **METHODS OF TREATING OR PREVENTING RESPIRATORY CONDITIONS**
[54] **PROCEDES DE TRAITEMENT OU DE PREVENTION D'ETATS RESPIRATOIRES**
[72] ITESCU, SILVIU, AU
[72] KRISHNAN, RAVI, AU
[72] GHOSH, PETER, AU
[73] MESOBLAST, INC., US
[85] 2015-06-05
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[54] **FIREARM MAGAZINE PLUG**
[54] **CAPUCHON DE MAGASIN D'ARME A FEU**
[72] DUKART, MICHAEL, US
[73] DUKART, MICHAEL, US
[86] (2894355)
[87] (2894355)
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[54] **DRILLING DATA VISUALIZATION METHOD**
[54] **PROCEDE DE VISUALISATION DE DONNEES DE FORAGE**
[72] MEEHAN, RICHARD J., US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2015-06-10
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[25] EN
[54] **DRAG REDUCTION FAIRING FOR A TRAILER CONVERTER DOLLY**
[54] **CARENAGE DE REDUCTION DE TRAINEE DESTINE A UN CHARIOT CONVERTISSEUR DE REMORQUE**
[72] LAYFIELD, BRIAN P., CA
[72] HAWS, JAMES D., CA
[73] LAYDON COMPOSITES LTD., CA
[86] (2894690)
[87] (2894690)
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[54] **VALVE MEMBER FOR A FLOATING BALL VALVE**
[54] **ELEMENT DE CLAPET POUR CLAPET A BILLE FLOTTANT**
[72] SCARAMUCCI, JOHN P., US
[73] VALVE INNOVATIONS, LLC, US
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[87] (2896925)
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[25] EN
[54] **DRY INK FOR DIGITAL PRINTING**
[54] **ENCRE SECHE POUR IMPRESSION NUMERIQUE**
[72] PERVAN, DARKO, SE
[72] PERVAN, TONY, SE
[73] CERALOC INNOVATION AB, SE
[85] 2015-06-30
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[54] **RETRACTING TUNNEL RODENT TRAP**
[54] **PIEGE POUR RONGEUR A TUNNEL SE RETRACTANT**
[72] WALSH, JAMES R., US
[72] JOHNSON, DANIEL C., US
[73] OMS INVESTMENTS, INC., US
[85] 2015-07-03
[86] 2014-01-10 (PCT/US2014/011075)
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[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/00 (2006.01) E21B 43/12 (2006.01) E21B 43/16 (2006.01)**
[25] EN
[54] **METHOD AND THERMAL--ELECTRICAL GENERATING APPARATUS TO TRANSPORT SUBTERRANEAN OIL TO THE SURFACE**
[54] **PROCEDE ET APPAREIL DE GENERATION THERMOELECTRIQUE POUR TRANSPORTER DU PETROLE SOUTERRAIN A LA SURFACE**
[72] ANTER, MICHAEL D., US
[73] ANTER, MICHAEL D., US
[86] (2897601)
[87] (2897601)
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[51] **Int.Cl. C07C 67/08 (2006.01) C07C 69/22 (2006.01)**
[25] EN
[54] **CONTINUOUS PROCESS FOR THE PREPARATION OF (S)-2-ACETYLOXYPROPIONIC ACID CHLORIDE**
[54] **PROCEDE CONTINU POUR LA PREPARATION DE CHLORURE D'ACIDE (S)-2-ACETYLOXYPROPIONIQUE**
[72] CERAGIOLLI, SYLVIA, IT
[72] DELOGU, PIETRO, IT
[72] MORTILLARO, ARMANDO, IT
[72] NARDELLI, ALFONSO, IT
[72] SGUASSERO, STEFANO, IT
[72] VELARDI, ROSARIO, IT
[72] VISCARDI, CARLO FELICE, IT
[73] BRACCO IMAGING S.P.A., IT
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[51] **Int.Cl. H04B 1/40 (2015.01) H04W 88/02 (2009.01) H04B 1/3827 (2015.01)**
[25] EN
[54] **MOBILE WIRELESS COMMUNICATIONS DEVICE WITH IMPROVED BROADBAND ANTENNA IMPEDANCE MATCHING**
[54] **DISPOSITIF DE COMMUNICATION MOBILE SANS FIL A CORRESPONDANCE D'IMPEDANCE D'ANTENNE LARGE BANDE AMELIOREE**
[72] ZHU, LIZHONG, CA
[72] CORRIGAN, MICHAEL STEPHEN, CA
[72] PINI, RAFAELE, US
[73] NXP USA, INC., US
[86] (2898060)
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[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING NITROXYL DONORS**
[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT DES DONNEURS NITROXYLE**
[72] KALISH, VINCENT JACOB, US
[72] REARDON, JOHN, US
[72] BROOKFIELD, FREDERICK ARTHUR, GB
[72] COURTNEY, STEPHEN MARTIN, GB
[72] FROST, LISA MARIE, GB
[72] TOSCANO, JOHN P., US
[73] CARDIOXYL PHARMACEUTICALS, INC., US
[85] 2015-07-16
[86] 2014-01-17 (PCT/US2014/012089)
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[30] US (61/754,237) 2013-01-18
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[51] **Int.Cl. B05B 7/00 (2006.01) A61K 8/04 (2006.01) B65D 83/60 (2006.01) B65D 83/66 (2006.01)**
[25] EN
[54] **FOAM DISPENSER, FOAMING COMPONENT THEREFOR, AND METHOD OF PRODUCING FOAM**
[54] **DISTRIBUTEUR DE MOUSSE, COMPOSANT DE MOUSSAGE ET PROCEDE DE PRODUCTION DE MOUSSE**
[72] NICMANIS, MARK, GB
[73] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2015-07-21
[86] 2014-02-03 (PCT/GB2014/050297)
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[25] EN
[54] **SITE-SPECIFIC INSULIN CONJUGATE**
[54] **CONJUGUE D'INSULINE SPECIFIQUE AU SITE**
[72] JANG, MYUNG HYUN, KR
[72] KIM, DAE JIN, KR
[72] HWANG, SANG YOUN, KR
[72] KIM, HYUN UK, KR
[72] JUNG, SUNG YOUB, KR
[72] KWON, SE CHANG, KR
[73] HANMI PHARM. CO., LTD., KR
[85] 2015-07-27
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[51] **Int.Cl. G06F 16/958 (2019.01) G06F 17/00 (2019.01) H04L 9/32 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **THIRD PARTY APPLICATION COMMUNICATION API**
[54] **API DE COMMUNICATION D'APPLICATION TIERCE**
[72] ABRAHAMI, YOAV, IL
[73] WIX.COM LTD., IL
[85] 2015-07-30
[86] 2014-02-10 (PCT/IB2014/058882)
[87] (WO2014/122628)
[30] US (61/762,902) 2013-02-10

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[25] EN
[54] **ANTI-CD83 ANTIBODIES AND USE THEREOF**
[54] **ANTICORPS ANTI-CD83 ET LEUR UTILISATION**
[72] SELDON, THERESE ANN, AU
[72] MUNSTER, DAVID JOHN, AU
[72] HART, DEREK NIGEL JOHN, AU
[72] JONES, MARTINA LOUISE, AU
[72] MUNRO, TRENT PHILLIP, US
[72] MAHLER, STEPHEN MICHAEL, AU
[72] ZHOU, EUNICE YU, US
[72] MARKS, JAMES D., US
[73] THE UNIVERSITY OF QUEENSLAND, AU
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[73] KIRA BIOTECH PTY LIMITED, AU
[85] 2015-07-31
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[87] (WO2014/117220)
[30] US (61/759,780) 2013-02-01

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[51] **Int.Cl. G09F 9/30 (2006.01) H04W 8/22 (2009.01)**
[25] EN
[54] **WIRELESSLY COMMUNICATING CONFIGURATION DATA FOR INTERACTIVE DISPLAY DEVICES**
[54] **DONNEES DE CONFIGURATION DE COMMUNICATION SANS FIL POUR DISPOSITIFS D'AFFICHAGE INTERACTIFS**
[72] MCGIBNEY, GRANT, CA
[72] THOMAS, ANGELA, CA
[72] ARANETA, LEONARDO MIGUEL, CA
[72] BENSON, PHILLIP WARREN, CA
[73] SMART TECHNOLOGIES ULC, CA
[86] (2900250)
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[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **IDENTIFYING PATIENT RESPONSE TO S1P RECEPTOR MODULATOR ADMINISTRATION**
[54] **IDENTIFICATION DE LA REPONSE D'UN PATIENT A UNE ADMINISTRATION D'UN MODULATEUR DE RECEPTEUR DE S1P**
[72] BORELL, HUBERT, CH
[72] GARDIN, ANNE, CH
[72] JIN, YI, CH
[72] LEGANGNEUX, ERIC, CH
[72] UFER, MIKE, CH
[73] NOVARTIS AG, CH
[85] 2015-08-11
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[87] (WO2014/161606)
[30] US (61/808,406) 2013-04-04
[30] US (61/811,321) 2013-04-12
[30] US (61/813,380) 2013-04-18

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[25] EN
[54] **RARE EARTH SPATIAL/SPECTRAL MICROPARTICLE BARCODES FOR LABELING OF OBJECTS AND TISSUES**
[54] **CODES-BARRES DE MICROPARTICULES SPATIAUX/SPECTRAUX DE TERRES RARES POUR MARQUAGE D'OBJETS ET TISSUS**
[72] BISSO, PAUL, US
[72] SWISTON, ALBERT, US
[72] LEE, JISEOK, US
[72] DOYLE, PATRICK S., US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2015-08-11
[86] 2014-03-14 (PCT/US2014/029487)
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[25] EN
[54] **METAL ION-FUNCTIONAL FIBER COMPONENT COMPLEX COMPOSITIONS, PREPARATION AND USES THEREOF**
[54] **COMPOSITIONS COMPLEXES A CONSTITUANT ION METALLIQUE-FIBRE FONCTIONNELLE, LEUR PREPARATION ET LEURS UTILISATIONS**
[72] WU-WONG, JINSHYUN RUTH, US
[73] ALEBUND PHARMACEUTICALS (HONG KONG) LTD., CN
[85] 2015-08-11
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[87] (WO2014/138016)
[30] US (61/774,964) 2013-03-08
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[54] **MITIGATING INTERFERENCE WITH WIRELESS COMMUNICATIONS**
[54] **ATTENUATION DE L'INTERFERENCE AVEC LES COMMUNICATIONS SANS FIL**
[72] ZHU, LIZHONG, CA
[72] LAKHDHAR, KHALED, CA
[72] MONTEMURRO, MICHAEL PETER, CA
[72] HE, FEI, CA
[72] ZHOU, QINGMAI, CA
[72] XU, JUN, CA
[72] WANG, DONG, CA
[72] ZHANG, ZONGYOU, CA
[72] HASAN, MOHAMMED MAHDI, CA
[72] ZHU, LIBO, CA
[72] LAMBIRI, CRISTIAN, CA
[72] HAGELTORN, GORAN, CA
[72] WU, YAN, CA
[72] FISCHER, DANIEL, CA
[73] BLACKBERRY LIMITED, CA
[86] (2901095)
[87] (2901095)
[22] 2015-08-20
[30] US (14/472,758) 2014-08-29

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[25] EN
[54] **DIHYDROPYRIDAZINE-3,5-DIONE DERIVATIVE**
[54] **DERIVE DIHYDROPYRIDAZINE-3,5-DIONE**
[72] OHTAKE, YOSHIHITO, JP
[72] OKAMOTO, NAOKI, JP
[72] ONO, YOSHIYUKI, JP
[72] KASHIWAGI, HIROTAKA, JP
[72] KIMBARA, ATSUSHI, JP
[72] HARADA, TAKEO, JP
[72] HORI, NOBUYUKI, JP
[72] MURATA, YOSHIHISA, JP
[72] TACHIBANA, KAZUTAKA, JP
[72] TANAKA, SHOTA, JP
[72] NOMURA, KENICHI, JP
[72] IDE, MITSUAKI, JP
[72] MIZUGUCHI, EISAKU, JP
[72] ICHIDA, YASUHIRO, JP
[72] OHTOMO, SHUICHI, JP
[72] HORIBA, NAOSHI, JP
[73] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[85] 2015-08-19
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[87] (WO2014/142273)
[30] JP (2013-051082) 2013-03-13
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[54] **NOVEL INSULIN ANALOG AND USE THEREOF**
[54] **ANALOGUE NOVATEUR DE L'INSULINE ET SON UTILISATION**
[72] HWANG, SANG YOUN, KR
[72] HUH, YONG HO, KR
[72] KIM, JIN YOUNG, KR
[72] HONG, SUNG HEE, KR
[72] CHOI, IN YOUNG, KR
[72] JUNG, SUNG YOUB, KR
[72] KWON, SE CHANG, KR
[72] KIM, DAE JIN, KR
[72] KIM, HYUN UK, KR
[72] JANG, MYUNG HYUN, KR
[72] KIM, SEUNG SU, KR
[73] HANMI PHARM. CO., LTD., KR
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[54] **CARTRIDGE FOR A DISPENSING SYSTEM**
[54] **CARTOUCHE POUR SYSTEME DISTRIBUTEUR**
[72] BOGGS, JOSEPH H., US
[72] DONNELLY, PAUL J., US
[72] FORKOS, ARTHUR, US
[73] PEPSICO, INC., US
[85] 2015-08-21
[86] 2014-01-29 (PCT/US2014/013585)
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[51] **Int.Cl. C08L 23/12 (2006.01) C08K 7/24 (2006.01) C08L 71/02 (2006.01)**
[25] EN
[54] **AGENT FOR THE FORMATION OF CHANNELS IN AN ENTRAINED POLYMER, ENTRAINED POLYMER CONTAINING SUCH AN AGENT, PROCESS FOR PRODUCING SUCH AN ENTRAINED POLYMER AND PRODUCT CONTAINING THE SAME**
[54] **AGENT POUR LA FORMATION DE CANAUX DANS UN POLYMERE ENTRAINE, POLYMERE ENTRAINE CONTENANT CET AGENT, PROCEDE DE PRODUCTION DE CE POLYMERE ENTRAINE ET PRODUIT LE CONTENANT**
[72] KLEIN, JULIEN, FR
[72] SPANO, WILLIAM FREDERICK, US
[72] KIBELE, RALF, DE
[73] CSP TECHNOLOGIES, INC., US
[85] 2015-08-27
[86] 2014-03-14 (PCT/US2014/027452)
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[54] **NETWORK OF INTELLIGENT MACHINES**
[54] **RESEAU DE MACHINES INTELLIGENTES**
[72] SAGI-DOLEV, ALYSIA, US
[72] ZWEIG, ALON, IL
[73] QYLUR INTELLIGENT SYSTEMS, INC., US
[85] 2015-08-28
[86] 2014-02-27 (PCT/US2014/019134)
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[25] EN
[54] **A TIMBER-WORKING DEVICE AND METHOD OF OPERATION**
[54] **DISPOSITIF D'ABATTAGE-FACONNAGE DE BOIS ET PROCEDE DE FONCTIONNEMENT**
[72] SWINYARD, DOUGLAS CRAIG, NZ
[72] KAYE, BRETT JAMES, NZ
[72] GAMBLE, PAUL, NZ
[73] WARATAH NZ LIMITED, NZ
[85] 2015-09-04
[86] 2014-12-02 (PCT/NZ2014/000241)
[87] (WO2015/084185)
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[54] **A TIMBER-WORKING DEVICE AND METHOD OF OPERATION**
[54] **MACHINE-OUTIL A BOIS ET PROCEDE D'EXPLOITATION ASSOCIE**
[72] SWINYARD, DOUGLAS CRAIG, NZ
[73] WARATAH NZ LIMITED, NZ
[85] 2015-09-04
[86] 2014-12-02 (PCT/NZ2014/000239)
[87] (WO2015/084183)
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[25] EN
[54] **METHODS OF TREATING DYSKINESIA AND RELATED DISORDERS**
[54] **METHODES DE TRAITEMENT DE LA DYSKINESIE ET DE TROUBLES ASSOCIES**
[72] CIALLELLA, JOHN, US
[72] GRUNER, JOHN, US
[72] REAUME, ANDREW G., US
[72] SAPORITO, MICHAEL S., US
[73] MELIOR PHARMACEUTICALS II, LLC, US
[85] 2015-09-04
[86] 2014-03-14 (PCT/US2014/029827)
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[25] EN
[54] **SEISMIC REINFORCED UNDERGROUND WATER CONDUIT**
[54] **CONDUIT D'EAU SOUTERRAIN RENFORCE POUR RESISTER AUX SECOUSSES SISMIQUES**
[72] BUREAU, MARTIN, CA
[72] GAGNON, GILLES, CA
[72] DAVISON, MICHAEL, CA
[72] COTE, BENOIT, CA
[73] SANEXEN ENVIRONMENTAL SERVICES INC., CA
[86] (2904683)
[87] (2904683)
[22] 2015-09-16
[30] US (14/741,531) 2015-06-17

[11] **2,904,685**
[13] C
[51] **Int.Cl. C07D 241/10 (2006.01)**
[25] EN
[54] **FORMATION OF N-PROTECTED BIS-3,6-(4-AMINOBUTYL)-2,5-DIKETOPIPERAZINE THROUGH A CYCLIC .ALPHA.-N-PROTECTED ACTIVE AMINO ESTER INTERMEDIATE**
[54] **FORMATION DE BIS-3,6-(4-AMINOBUTYL)-2,5-DICETOPIPERAZINE N-PROTEGEE PAR UN AMINO ESTER .ALPHA.-N-PROTEGE CYCLIQUE**
[72] FREEMAN, JOHN J., US
[72] PHANSTIEL, OTTO, US
[72] BAY, WILLIAM ELLIOTT, US
[72] KRAFT, KELLY SULLIVAN, US
[73] MANNKIND CORP., US
[85] 2015-09-08
[86] 2014-03-14 (PCT/US2014/028228)
[87] (WO2014/144003)
[30] US (61/798,016) 2013-03-15

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[51] **Int.Cl. C25D 5/14 (2006.01) C25D 3/04 (2006.01) C25D 3/12 (2006.01)**
[25] EN
[54] **NICKEL CHROMIUM NANOLAMINATE COATING HAVING HIGH HARDNESS**
[54] **REVETEMENT NANOSTRATIFIE DE CHROME ET DE NICKEL AYANT UNE DURETE ELEVEE**
[72] SKLAR, GLENN, US
[73] MODUMETAL, INC., US
[85] 2015-09-10
[86] 2014-03-17 (PCT/US2014/030381)
[87] (WO2014/145588)
[30] US (61/802,112) 2013-03-15

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[13] C
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 31/40 (2006.01) B02C 19/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CONDITIONING OF PARTICULATE CRYSTALLINE MATERIALS**
[54] **PROCEDES ET SYSTEMES DE CONDITIONNEMENT DE MATIERES CRISTALLINES PARTICULAIRES**
[72] KAZMI, ALI, US
[72] LECHUGA, DAVID, US
[72] SNYDER, HERM, US
[72] IVEY, JAMES, CA
[72] VEHRING, REINHARD, CA
[72] SPECK, JASON H., US
[72] DWIVEDI, SARVAJNA, US
[73] PEARL THERAPEUTICS, INC., US
[85] 2015-09-10
[86] 2014-03-14 (PCT/US2014/029489)
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[30] US (61/799,956) 2013-03-15

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[25] EN
[54] **AGLYCOSYLATED FC-CONTAINING POLYPEPTIDES**
[54] **POLYPEPTIDES CONTENANT FC AGLYCOSYLES**
[72] KANNAN, GUNASEKARAN, US
[73] AMGEN INC., US
[85] 2015-09-14
[86] 2014-03-14 (PCT/US2014/028913)
[87] (WO2014/153063)
[30] US (61/784,669) 2013-03-14

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[51] **Int.Cl. C12M 1/34 (2006.01) C12M 1/38 (2006.01) G01N 21/64 (2006.01) G01N 33/48 (2006.01) G02B 17/00 (2006.01) H04N 5/235 (2006.01)**
[25] EN
[54] **COMPACT OPTICAL SYSTEM FOR SUBSTANTIALLY SIMULTANEOUS MONITORING OF SAMPLES IN A SAMPLE ARRAY**
[54] **SYSTEME OPTIQUE COMPACT PERMETTANT DE SURVEILLER PRATIQUEMENT SIMULTANEMENT DES ECHANTILLONS D'UN ENSEMBLE D'ECHANTILLONS**
[72] ABBOTT, RICHARD DAVID, US
[72] RILEY, PATRICK L., US
[72] EVANS, ZACKERY KENT, US
[72] NAY, LYLE M., US
[73] BIOFIRE DEFENSE, LLC, US
[85] 2015-09-15
[86] 2014-03-06 (PCT/US2014/021317)
[87] (WO2014/149875)
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[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/453 (2006.01) A61P 35/00 (2006.01) C07D 405/04 (2006.01)**
[25] EN
[54] **ROHITUKINE ANALOGS AS CYCLIN-DEPENDENT KINASE INHIBITORS AND A PROCESS FOR THE PREPARATION THEREOF**
[54] **ANALOGUES DE ROHITUKINE COMME INHIBITEURS DES KINASES DEPENDANTES DES CYCLINES ET SON PROCEDE DE PREPARATION**
[72] VISHWAKARMA, RAM ASREY, IN
[72] BHARATE, SANDIP BIBISHAN, IN
[72] BHUSHAN, SHASHI, IN
[72] MONDHE, DILIP MANIKRAO, IN
[72] JAIN, SHREYANS KUMAR, IN
[72] MEENA, SAMDARSHI, IN
[72] GURU, SANTOSH KUMAR, IN
[72] PATHANIA, ANUP SINGH, IN
[72] KUMAR, SURESH, IN
[72] BEHL, AKANKSHA, IN
[72] MINTOO, MUBASHIR JAVED, IN
[72] BHARATE, SONALI SANDIP, IN
[72] JOSHI, PRASHANT, IN
[73] COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, IN
[85] 2015-09-25
[86] 2014-04-16 (PCT/IN2014/000239)
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[13] C
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01) C07H 21/02 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **MODIFIED TGF-BETA OLIGONUCLEOTIDES**
[54] **OLIGONUCLEOTIDES TGF-BETA MODIFIES**
[72] JASCHINSKI, FRANK, DE
[72] JANICOT, MICHEL, BE
[72] UHLMANN, EUGEN, DE
[73] ISARNA THERAPEUTICS GMBH, DE
[85] 2015-09-25
[86] 2014-03-27 (PCT/EP2014/056221)
[87] (WO2014/154835)
[30] EP (13161474.5) 2013-03-27
[30] EP (13173078.0) 2013-06-20
[30] EP (13199826.2) 2013-12-30

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[13] C
[51] **Int.Cl. E21B 33/126 (2006.01)**
[25] EN
[54] **DOWNHOLE SEALING APPARATUS AND METHOD**
[54] **APPAREIL D'ETANCHEITE DE FOND DE TROU ET PROCEDE**
[72] AVANASHIAPPAN, VIJAYAMIRTHARAJ, GB
[72] HARE, DAVID MATTHEW, GB
[72] SPALDING, CRAIG, GB
[73] RUBBERATKINS LIMITED, GB
[85] 2015-10-01
[86] 2014-04-04 (PCT/GB2014/051069)
[87] (WO2014/162153)
[30] GB (1306195.7) 2013-04-05

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[51] **Int.Cl. H03M 13/19 (2006.01) H03M 13/25 (2006.01) H03M 13/27 (2006.01) H04L 1/00 (2006.01)**
[25] EN
[54] **REVERSE INTERCHANGING CODING AND DECODING OF LOW DENSITY PARITY CHECK CODEWORDS**
[54] **CODAGE ET DECODAGE A INTERCHANGEMENT RENVERSE DE MOTS CLES DE CONTROLE DE PARITE DE FAIBLE DENSITE**
[72] SHINOHARA, YUJI, JP
[72] MUHAMMAD, NABIL SVEN LOGHIN, JP
[72] MICHAEL, LACHLAN, JP
[72] HIRAYAMA, YUICHI, JP
[72] YAMAMOTO, MAKIKO, JP
[73] SONY CORPORATION, JP
[85] 2015-10-09
[86] 2014-04-21 (PCT/JP2014/061156)
[87] (WO2014/178300)
[30] JP (2013-096996) 2013-05-02

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[13] C
[51] **Int.Cl. G08B 13/24 (2006.01) G07G 1/00 (2006.01)**
[25] EN
[54] **MOBILE EAS DEACTIVATOR**
[54] **DESACTIVATEUR D'EAS MOBILE**
[72] EASTER, RONALD B., US
[72] DREW, DOUGLAS A., US
[73] SENSORMATIC ELECTRONICS LLC, US
[85] 2015-10-16
[86] 2014-03-14 (PCT/US2014/029255)
[87] (WO2014/153137)
[30] US (61/784,929) 2013-03-14

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[51] **Int.Cl. H05B 3/34 (2006.01) F24D 13/02 (2006.01) H05B 3/56 (2006.01)**
[25] EN
[54] **POWER CONTROLLED HEATING SYSTEM**
[54] **SYSTEME DE CHAUFFAGE COMMANDE EN PUISSANCE**
[72] NILSSON, JAN ANDERS, SE
[73] KIMA HEATING CABLE AB, SE
[85] 2015-10-20
[86] 2014-04-15 (PCT/EP2014/057645)
[87] (WO2014/173737)
[30] SE (1350500-3) 2013-04-23

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[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **IN VITRO METHOD FOR THE EARLY DETECTION OF A POTENTIAL INFLAMMATION, IN PARTICULAR ASSOCIATED WITH REJECTION OF A TRANSPLANT, A NEURODEGENERATIVE DISORDER OR A DEPRESSION**
[54] **PROCEDE IN VITRO DE DETECTION PRECOCE D'UNE INFLAMMATION POTENTIELLE, ASSOCIEE EN PARTICULIER A UN REJET D'UNE GREFFE, UN TROUBLE NEURODEGENERATIF OU UNE DEPRESSION**
[72] ABENDROTH, DIETMAR, DE
[72] STANGL, MANFRED J., DE
[72] MARZINZIG, MICHAEL, DE
[73] SALION GMBH, DE
[85] 2015-10-23
[86] 2014-05-02 (PCT/EP2014/058965)
[87] (WO2014/177680)
[30] EP (13166375.9) 2013-05-03

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[13] C
[51] **Int.Cl. F16K 1/32 (2006.01) H01M 8/04089 (2016.01) F16K 51/00 (2006.01)**
[25] EN
[54] **THROTTLE VALVE**
[54] **VANNE D'ETRANGLEUR**
[72] NAKAMURA, AKIO, JP
[72] NAKANO, AKIRA, JP
[72] INAGI, SHUSUKE, JP
[72] YAMASHITA, AKIRA, JP
[72] KONDO, MASAAKI, JP
[73] JTEKT CORPORATION, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2910404)
[87] (2910404)
[22] 2015-10-27
[30] JP (2014-219384) 2014-10-28

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[13] C
[51] **Int.Cl. A23L 13/20 (2016.01)**
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[54] **EDIBLE PRODUCT OF ANIMAL ORIGIN AND PRODUCTION METHOD**
[54] **PRODUIT COMESTIBLE D'ORIGINE ANIMALE ET SON PROCEDE DE FABRICATION**
[72] VALDES RODRIGUEZ, ESPIRIDION, MX
[73] GRUPO BIMBO, S.A.B. DE C.V., MX
[85] 2015-10-26
[86] 2013-04-26 (PCT/MX2013/000053)
[87] (WO2014/175716)

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[13] C
[51] **Int.Cl. B03D 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR PROCESSING MINERAL MATERIAL CONTAINING ACID-CONSUMING CARBONATE AND PRECIOUS METAL IN SULFIDE MINERALS**
[54] **PROCEDE POUR LE TRAITEMENT DE MATIERE MINERALE CONTENANT DU CARBONATE AVIDE D'ACIDE ET DU METAL PRECIEUX DANS DES MINERAUX SULFURES**
[72] ORLICH, JAMES NICHOLAS, US
[72] KAPPES, RONEL DU PLESSIS, US
[72] GATHJE, JOHN C., US
[73] NEWMONT USA LIMITED, US
[85] 2015-10-29
[86] 2014-04-23 (PCT/US2014/035188)
[87] (WO2014/179134)
[30] US (61/817,781) 2013-04-30

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[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01)**
[25] EN
[54] **3,4-DIHYDRO-2H-ISOQUINOLINE-1-ONE AND 2,3-DIHYDRO-ISOINDOL-1-ONE COMPOUNDS**
[54] **COMPOSES 3,4-DIHYDRO-2H-ISOQUINOLINE-1-ONE ET 2,3-DIHYDRO-ISO-I NDOL-1-ONE**
[72] AEBI, JOHANNES, CH
[72] AMREIN, KURT, CH
[72] CHEN, WENMING, CN
[72] HORNSPERGER, BENOIT, FR
[72] KUHN, BERND, CH
[72] LI, DONGBO, CN
[72] LIU, YONGFU, CN
[72] MAERKI, HANS P., CH
[72] MARTIN, RAINER E., CH
[72] MAYWEG, ALEXANDER V., CH
[72] TAN, XUEFEI, CN
[72] WANG, LISHA, CH
[72] WU, JUN, CN
[72] ZHOU, MINGWEI, CN
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2015-11-05
[86] 2014-05-26 (PCT/EP2014/060784)
[87] (WO2014/191336)
[30] CN (PCT/CN2013/076276) 2013-05-27

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[13] C
[51] **Int.Cl. F24F 11/84 (2018.01) F25B 5/00 (2006.01) F25B 6/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR OPERATING HVAC SYSTEMS IN LOW LOAD CONDITIONS**
[54] **METHODES ET SYSTEMES D'EXPLOITATION DE SYSTEMES CVCA EN CONDITIONS DE FAIBLE CHARGE**
[72] HUNG, DER-KAI, US
[73] LENNOX INDUSTRIES, INC., US
[86] (2911860)
[87] (2911860)
[22] 2015-11-12
[30] US (62/084,492) 2014-11-25
[30] US (14/930,291) 2015-11-02

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[54] **COMPOSITIONS ET PROCEDES DE TRANSPORT D'AGENTS ANTICANCEREUX**
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[72] SWAN, DALE G., US
[72] DUMEZ, DARIN, US
[72] VENTURA, JOSEPH, US
[72] WADMAN, SHANNON, US
[72] MCGONIGLE, JOSEPH SCHMIDT, US
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[54] **DOSAGES DE MUTATIONS PONCTUELLES PAR PCR EN TEMPS REEL (RT-PCR) POUR LA DETECTION D'UNE RESISTANCE DU VIH-1 AUX MEDICAMENTS ANTIVIRAUX**
[72] JOHNSON, JEFFREY A., US
[72] HENEINE, WALID M., US
[72] LIPSCOMB, JONATHAN T., US
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[54] **REPRODUCTION DEVICE, REPRODUCTION METHOD, AND RECORDING MEDIUM**
[54] **DISPOSITIF ET PROCEDE DE REPRODUCTION ET SUPPORT D'ENREGISTREMENT**
[72] YAMAMOTO, KAZUO, JP
[72] HAMADA, TOSHIYA, JP
[72] TAKAHASHI, KUNIAKI, JP
[72] HATTORI, SHINOBU, JP
[73] SONY CORPORATION, JP
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[54] **APPAREIL POUR DES REACTIONS ENDOTHERMIQUES**
[72] HEYDENRYCH, MICHAEL DAVID, ZA
[73] UNIVERSITY OF PRETORIA, ZA
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[54] **NOUVEAUX INHIBITEURS SELECTIFS DE PHOSPHOINOSITIDE 3-KINASE (PI3K) DELTAET/OU DE LA PROTEINE GAMMA**
[72] BHAVAR, PRASHANT KASHINATH, IN
[72] VAKKALANKA, SWAROOP KUMAR VENKATA SATYA, CH
[72] BABU, GOVINDARAJULU, IN
[73] RHIZEN PHARMACEUTICALS SA, CH
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[54] **SINGLE LAYER FOLDABLE REINFORCED BULLNOSE HIP AND RIDGE CAP SHINGLE**
[54] **ARETIER ARRONDI RENFORCE REPLIABLE A UNE SEULE COUCHE ET BARDEAU DE FAITAGE**
[72] MONTOJO, JEFFREY, US
[72] PETCHER, DEREK, US
[72] MARTINEZ, JACK, US
[72] FAHEY, SEAMUS, US
[72] BALLESTROS, ROY, US
[72] SELWAY, HARLAN WAYNE, US
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[54] **PRODUCTION OF BIOMASS FOR USE IN THE TREATMENT OF FISCHER-TROPSCH REACTION WATER**
[54] **PRODUCTION D'UNE BIOMASSE DESTINEE A UNE UTILISATION POUR LE TRAITEMENT D'UNE EAU ISSUE D'UNE REACTION DE FISCHER-TROPSCH**
[72] PHILLIPS, TREVOR DAVID, ZA
[72] AUGUSTYN, MARIA PETRONELLA, ZA
[72] VAN NIEKERK, IGNATIUS MICHAEL, ZA
[73] SASOL TECHNOLOGY (PROPRIETARY) LIMITED, ZA
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[54] **PURIFICATION OF GLUCOSE CONCENTRATION SIGNAL IN AN IMPLANTABLE FLUORESCENCE BASED GLUCOSE SENSOR**
[54] **PURIFICATION DE SIGNAL DE CONCENTRATION DE GLUCOSE DANS UN CAPTEUR DE GLUCOSE A BASE DE FLUORESCENCE IMPLANTABLE**
[72] COLVIN, ARTHUR E., US
[72] WANG, XIAOLIN, US
[72] MDINGI, COLLEEN, US
[72] DEHENNIS, ANDREW, US
[73] SENSEONICS, INCORPORATED, US
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[54] **CONTENT SUPPLY DEVICE, CONTENT SUPPLY METHOD, PROGRAM, TERMINAL DEVICE, AND CONTENT SUPPLY SYSTEM**
[54] **DISPOSITIF DE FOURNITURE DE CONTENU, PROCEDE DE FOURNITURE DE CONTENU, PROGRAMME, DISPOSITIF TERMINAL, ET SYSTEME DE FOURNITURE DE CONTENU**
[72] YAMAGISHI, YASUAKI, JP
[73] SONY CORPORATION, JP
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[54] **TARGET AGE COMPENSATION METHOD FOR PERFORMING STABLE REACTIVE SPUTTERING PROCESSES**
[54] **METHODE DE COMPENSATION DE L'AGE D'UNE CIBLE POUR EFFECTUER DES PROCEDES DE PULVERISATION CATHODIQUE REACTIVE STABLE**
[72] KURAPOV, DENIS, CH
[72] KRASSNITZER, SIEGFRIED, AT
[73] OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON, CH
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[54] **VITRAGE**
[72] BRAUN, THOMAS, DE
[72] CLAESGES, CHRISTOPH, DE
[72] DUTT, WOLFGANG, DE
[72] MUELLER, KURT-HENRIK, DE
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[54] **ANTIBODY FORMULATIONS AND METHODS**
[54] **FORMULATIONS D'ANTICORPS ET PROCEDES CORRESPONDANTS**
[72] GARIDEL, PATRICK, DE
[72] LANGER, ANDREAS, DE
[72] GRUNDMAN, MICHAEL, US
[73] PROTHENA BIOSCIENCES LIMITED, IE
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[54] **SEL D'ACIDE SULFONIQUE DE POLYAMINE FONCTIONNANT COMME UN AGENT NETTOYANT ET INHIBITEUR DE CORROSION POUR CHAMPS PETROLIFERES**
[72] BENNETT, BRIAN MICHAEL, US
[72] MANCUSO, SEBASTIAN DENNIS, US
[73] CHAMPIONX USA, INC., US
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[72] KITTLE, KEVIN JEFFREY, GB
[73] AKZO NOBEL COATINGS INTERNATIONAL B.V., NL
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[54] **HERBICIDE COMBINATION CONTAINING PELARGONIC ACID AND DEFINED ALS INHIBITORS**
[54] **COMBINAISON HERBICIDE COMPRENANT DE L'ACIDE PELARGONIQUE ET CERTAINS INHIBITEURS DE ALS**
[72] KILIAN, MICHAEL, DE
[72] MARIENHAGEN, CHRISTIAN, DE
[73] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
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[54] **HERBICIDAL COMBINATION WITH HERBICIDAL ACTIVE FATTY ACIDS AND AN ALS-INHIBITOR**
[54] **COMBINAISON HERBICIDE COMPRENANT DES ACIDES GRAS A ACTION HERBICIDE ET UN INHIBITEUR DE ALS**
[72] KILIAN, MICHAEL, DE
[72] MARIENHAGEN, CHRISTIAN, DE
[73] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
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[54] **DRY POWDER FORMULATION COMPRISING AN ANTICHOLINERGIC, A CORTICOSTEROID AND A BETA-ADRENERGIC FOR ADMINISTRATION BY INHALATION**
[54] **FORMULATION DE POUDRE SECHE COMPORTANT UN ANTICHOLINERGIQUE, UN CORTICOSTEROIDE ET UN BETA-ADRENERGIQUE POUR L'ADMINISTRATION PAR INHALATION**
[72] MUSA, ROSSELLA, IT
[72] PASQUALI, IRENE, IT
[72] ASKEY-SARVAR, AZITA, IT
[72] SCHIARETTI, FRANCESCA, IT
[73] CHIESI FARMACEUTICI S.P.A., IT
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[72] BAUMANN, SASCHA, DE
[72] HERRMANN, JENNIFER, DE
[72] MOHR, KATHRIN, DE
[72] STEINMETZ, HEINRICH, DE
[72] GERTH, KLAUS, DE
[72] RAJU, RITESH, DE
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[72] HAMED, MOSTAFA, DE
[72] WANG, LIANG LIANG, DE
[72] HARTMANN, ROLF, DE
[72] ELGAHER, WALD A.M., DE
[72] KIRSCHNING, ANDREAS, DE
[72] MORENO, MARIA, DE
[72] GILLE, FRANZISKA, DE
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[54] **PIPERIDINYL INDOLE DERIVATIVES AND THEIR USE AS COMPLEMENT FACTOR B INHIBITORS**
[54] **DERIVES DE PIPERIDINYL-INDOLE ET LEUR UTILISATION EN TANT QU'INHIBITEURS DU FACTEUR B DU COMPLEMENT**
[72] ADAMS, CHRISTOPHER, US
[72] CAPPARELLI, MICHAEL PAUL, US
[72] EHARA, TAKERU, US
[72] KARKI, RAJESHRI GANESH, US
[72] MAINOLFI, NELLO, US
[72] ZHANG, CHUN, US
[73] NOVARTIS AG, CH
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[54] **STABILIZED ANTIBODY COMPOSITIONS**
[54] **COMPOSITIONS D'ANTICORPS STABILISEES**
[72] GUNTHER, BERNHARD, DE
[72] SCHERER, DIETER, CH
[72] PETTIGREW, ANTHONY, DE
[72] GRAF, GESCHE, DE
[73] NOVALIQ GMBH, DE
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[54] **COMPOSITIONS FOR MODULATING TAU EXPRESSION**
[54] **COMPOSITIONS PERMETTANT DE MODULER L'EXPRESSION DE TAU**
[72] KORDASIEWICZ, HOLLY, US
[72] SWAYZE, ERIC E., US
[72] FREIER, SUSAN M., US
[72] BUI, HUYNH-HOA, US
[73] BIOGEN MA INC., US
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[54] **AEROPONIC SYSTEM**
[54] **SYSTEME AEROPONIQUE**
[72] ORFF, DYLAN, US
[73] ORFF, DYLAN, US
[86] (2919917)
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[54] **METHOD AND SYSTEM FOR PRODUCING METHANOL USING AN INTEGRATED OXYGEN TRANSPORT MEMBRANE BASED REFORMING SYSTEM**
[54] **PROCEDE ET SYSTEME POUR LA PRODUCTION DE METHANOL PAR UTILISATION D'UN SYSTEME INTEGRE DE REFORMAGE A BASE D'UNE MEMBRANE DE TRANSPORT D'OXYGENE**
[72] STUCKERT, INES C., US
[72] CHAKRAVARTI, SHRIKAR, US
[72] DRNEVICH, RAYMOND F., US
[73] PRAXAIR TECHNOLOGY, INC., US
[85] 2016-01-29
[86] 2014-06-18 (PCT/US2014/042917)
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[54] **HORIZONTAL UNIT FOR MAKING BEVERAGES USING CAPSULES CONTAINING POWDERED FOOD SUBSTANCES**
[54] **UNITE HORIZONTALE POUR LA PREPARATION DE BOISSONS AU MOYEN DE CAPSULES CONTENANT DES SUBSTANCES ALIMENTAIRES EN POUDRE**
[72] CASIDDU, FRANCO, IT
[73] CAFFITALY SYSTEM S.P.A., IT
[85] 2016-02-01
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[54] **MINERAL FIBER BATTING FOR THE MANUFACTURE OF THERMALLY INSULATING COMPOSITE**
[54] **NAPPE DE FIBRES MINERALES POUR LA FABRICATION DE COMPOSITE THERMO-ISOLANT**
[72] ALENGRIN, SIMON, GB
[73] SAINT-GOBAIN ISOVER, FR
[85] 2016-02-03
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[25] EN
[54] **COCOA POLYPHENOLS AND THEIR USE IN THE TREATMENT OR PREVENTION OF EOSINOPHILIC ESOPHAGITIS**
[54] **POLYPHENOLS DE CACAO ET LEUR UTILISATION DANS LE TRAITEMENT OU LA PREVENTION DE L'OESOPHAGITE A EOSINOPHILES**
[72] BLANCHARD, CARINE, CH
[72] HOLVOET, SEBASTIEN, CH
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2016-02-10
[86] 2014-09-22 (PCT/EP2014/070157)
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[54] **INTRAOCULAR LENS SYSTEM**
[54] **SYSTEME DE LENTILLE INTRAOCULAIRE**
[72] QURESHI, M., GB
[72] ARTAL, PABLO, GB
[72] SCOTT, ROBBIE, GB
[72] TABERNERO, JUAN, GB
[73] SYNEOS HEALTH INTERNATIONAL LIMITED, GB
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[54] **CONVERTER ARRANGEMENT**
[54] **AGENCEMENT DE CONVERTISSEUR**
[72] STEIMER, PETER, CH
[73] HITACHI ENERGY SWITZERLAND AG, CH
[85] 2016-02-18
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[25] EN
[54] **COMPOSITIONS FEATURING AN ATTENUATED NEWCASTLE DISEASE VIRUS AND METHODS OF USE FOR TREATING NEOPLASIA**
[54] **COMPOSITIONS INCLUANT UN VIRUS DE LA MALADIE DE NEWCASTLE ATTENUE ET METHODE D'UTILISATION DANS LE TRAITEMENT DES NEOPLASIES**
[72] CHENG, XING, US
[72] CARROLL, DANIELLE, GB
[72] MCCOURT, MATTHEW, GB
[72] GALINSKI, MARK, US
[72] JIN, HONG, US
[73] MEDIMMUNE LIMITED, GB
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[54] **TEST D'INTEGRITE D'ECHANTILLONS DE CHEVEUX**
[72] HILL, VIRGINIA, US
[72] SCHAFFER, MICHAEL I., US
[72] LONI, ELVAN, US
[72] STOWE, GARY NEIL, US
[73] PSYCHEMEDICS CORPORATION, US
[73] HILL, VIRGINIA, US
[73] SCHAFFER, MICHAEL I., US
[73] LONI, ELVAN, US
[73] STOWE, GARY NEIL, US
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[54] **DIAGNOSTIC DE SOUFFRANCE FOETALE**
[72] MAGUIRE, PATRICK MARTIN, IE
[72] OWEN-SMITH, BRIAN DAVID (DECEASED), GB
[73] SALURATE LIMITED, GB
[85] 2016-03-01
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[54] **BIOREACTORS WITH MULTIPLE OR ADJUSTABLE-POSITION AGITATOR DESIGNS**
[54] **BIOREACTEURS DOTES DE MODELES D'AGITATEURS MULTIPLES OU A POSITION REGLABLE**
[72] MAHAJAN, EKTA, US
[72] DENT, KELSEY, US
[72] CHAN, EDWARD, US
[72] HUDSON, TERRY, US
[72] DANIEL, NERIA, US
[73] GENENTECH, INC., US
[85] 2016-03-01
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[25] EN
[54] **STERILIZATION METHODS AND APPARATUS AND ADAPTIVE CONTROL THEREOF**
[54] **PROCEDES ET APPAREIL DE STERILISATION ET LEUR PROCEDE DE COMMANDE ADAPTATIF**
[72] LAFLAMME, JONATHAN, CA
[72] SOHIER, DAVID, CA
[72] DUFRESNE, SYLVIE, CA
[72] CHEVALIER, CECILE, CA
[72] LEBLOND, HELENE, CA
[72] THERRIEN, FRANCIS, CA
[73] TSO3 INC., CA
[85] 2016-03-03
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[25] EN
[54] **STABLE ADENOVIRUS FORMULATIONS**
[54] **FORMULATIONS D'ADENOVIRUS STABLES**
[72] ADRIAANSEN, JANIK, NL
[73] JANSSEN VACCINES & PREVENTION B.V., NL
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[25] EN
[54] **POLYMER-BORIC ACID COMPOSITIONS**
[54] **COMPOSITIONS D'ACIDE BORIQUE**
[72] SANDERS, JOHN LARRY, US
[72] MAZO, JACOB, US
[72] MAZO, GRIGORY, US
[73] VERDESIAN LIFE SCIENCES U.S., LLC, US
[85] 2016-03-07
[86] 2014-09-04 (PCT/US2014/054069)
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[54] **CONFIGURATIONS AND POSITIONING OF CONTACT BAR SEGMENTS ON A CAPPING BOARD FOR ENHANCED CURRENT DENSITY HOMOGENEITY AND/OR SHORT CIRCUIT REDUCTION**
[54] **CONFIGURATIONS ET POSITIONNEMENT DE SEGMENTS DE BARRE DE CONTACT SUR UN PANNEAU DE RECOUVREMENT POUR UNE HOMOGENEITE DE DENSITE DE COURANT AMELIOREE ET/OU UNE REDUCTION DE COURT-CIRCUIT AMELIOREE**
[72] DUFRESNE, ROBERT P., CA
[73] PULTRUSION TECHNIQUE INC., CA
[85] 2015-11-27
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[25] EN
[54] **MAGNETOOPTICAL MATERIAL, MANUFACTURING METHOD THEREFOR, AND MAGNETOOPTICAL DEVICE**
[54] **MATERIAU MAGNETO-OPTIQUE, SON PROCEDE DE FABRICATION ET DISPOSITIF MAGNETO-OPTIQUE**
[72] IKARI, MASANORI, JP
[73] SHIN-ETSU CHEMICAL CO., LTD., JP
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[54] **DUAL SQUID MEASUREMENT DEVICE**
[54] **DISPOSITIF DE MESURE A DOUBLE SQUID**
[72] BARAKAT, NEIL, CA
[72] HUGILL, ANDREW, CA
[72] TOMSKI, IIIA, CA
[72] WONG, HONG, CA
[73] GEDEX SYSTEMS INC., CA
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[54] **PCV2B DIVERGENT VACCINE COMPOSITION AND METHODS OF USE**
[54] **COMPOSITION VACCINALE DIVERGENTE ANTI-PCV2B ET SES PROCEDES D'UTILISATION**
[72] NITZEL, GREGORY PAUL, US
[72] SLADE, DAVID EWELL, US
[73] ZOETIS SERVICES LLC, US
[85] 2016-03-23
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[54] **APPARATUS AND METHODS FOR SERVICES TRANSMITTED IN A BROADCAST USING IP PACKETS**
[54] **DISPOSITIF DE RECEPTION, PROCEDE DE RECEPTION, DISPOSITIF DE TRANSMISSION ET PROCEDE DE TRANSMISSION**
[72] KITAZATO, NAOHISA, JP
[72] YAMAGISHI, YASUAKI, JP
[73] SONY CORPORATION, JP
[85] 2016-03-24
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[25] EN
[54] **LENGTH-ADJUSTABLE POLE AND CLAMPING APPARATUS THEREFOR**
[54] **CANNE REGLABLE EN LONGUEUR ET DISPOSITIF DE SERRAGE POUR CELLE-CI**
[72] HEIM, EBERHARD, DE
[73] LEKISPORT AG, CH
[85] 2016-03-21
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[54] **DETECTION OF RARE MICROBIOLOGICAL NUCLEIC ACIDS**
[54] **DETECTION D'ACIDES NUCLEIQUES MICROBIOLOGIQUES RARES**
[72] DORANGE, FABIEN, FR
[73] TEXCELL, FR
[85] 2016-03-31
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[54] **MECHANICAL DEVICE FOR AN ENGINE CONVERTING LINEAR MOTION INTO ROTATIONAL MOTION**
[54] **DISPOSITIF MECANIQUE POUR UN MOTEUR CONVERTISSANT UN MOUVEMENT LINEAIRE EN MOUVEMENT DE ROTATION**
[72] GUINGOLD, ALEXANDER, CA
[73] GUINGOLD, ALEXANDER, CA
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[87] (2925973)
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[25] EN
[54] **APPARATUS FOR GENERATING ELECTRICAL PULSES AND METHODS OF USING THE SAME**
[54] **APPAREIL DE GENERATION D'IMPULSIONS ELECTRIQUES ET PROCEDES D'UTILISATION DE L'APPAREIL**
[72] BEEBE, STEPHEN J., US
[72] SCHOENBACH, KARL H., US
[73] EASTERN VIRGINIA MEDICAL SCHOOL, US
[73] OLD DOMINION UNIVERSITY, US
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[54] **PROCESSED BONE PARTICLE COMPOSITIONS AND RELATED METHODS**
[54] **COMPOSITIONS DE PARTICULES OSSEUSES TRAITEES ET PROCEDES S'Y RAPPORTANT**
[72] BURDEN, ROBERT L., US
[73] VIVORTE, INC., US
[85] 2016-04-05
[86] 2014-10-08 (PCT/US2014/059728)
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[25] EN
[54] **TENSIONING DEVICE FOR CONVEYOR BELT**
[54] **DISPOSITIF DE TENSION POUR COURROIE TRANSPORTEUSE**
[72] CRIBIU', LUCA, IT
[73] CRIZAF S.R.L., IT
[85] 2016-04-08
[86] 2014-10-14 (PCT/EP2014/072067)
[87] (WO2015/055687)
[30] IT (MI2013A 001707) 2013-10-15

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[25] EN
[54] **REDUCED SUGAR FROZEN CONFECTION COMPOSITION**
[54] **COMPOSITION DE CONFISERIE CONGELEE A TENEUR REDUITE EN SUCRE**
[72] LALLEMAND, MAUD ISABELLE, FR
[72] JUNG, JIN-MI, FR
[72] BERTINI, STEFANO, IT
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2016-04-11
[86] 2014-12-11 (PCT/EP2014/077356)
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[25] FR
[54] **TURBOPROP AIR INTAKE**
[54] **ENTREE D'AIR DE TURBOPROPULSEUR**
[72] POISSON, MATHIEU ANGE, FR
[72] ORCEL, STEPHANE, FR
[72] GLEMAREC, GUILLAUME, FR
[72] PACARY, JEAN-LUC, FR
[73] SNECMA, FR
[73] SOCIETE LORRAINE DE CONSTRUCTION AERONAUTIQUE, FR
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[25] EN
[54] **TECHNIQUES FOR PROVISIONING CONFIGURATION INFORMATION BASED ON CELL CHARACTERISTICS**
[54] **TECHNIQUES DE FOURNITURE D'INFORMATIONS DE CONFIGURATION SUR LA BASE DE CARACTERISTIQUES DE CELLULES**
[72] GRIOT, MIGUEL, US
[72] HORN, GAVIN BERNARD, US
[72] MALLADI, DURGA PRASAD, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-04-12
[86] 2014-09-23 (PCT/US2014/056933)
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[30] US (61/907,891) 2013-11-22
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[25] EN
[54] **METHOD AND APPARATUS TO OPTIMIZE GENERATOR START DELAY AND RUNTIME FOLLOWING OUTAGE**
[54] **PROCEDE ET APPAREIL D'OPTIMISATION DU RETARD DE DEMARRAGE DE GENERATEUR ET DU TEMPS DE MARCHE SUIVANT L'ARRET**
[72] LOUCKS, DAVID G., US
[72] LATHROP, TODD M., US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2016-04-15
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[25] EN
[54] **MULTICAST TRANSMISSION OVER BONDED BROADBAND**
[54] **TRANSMISSION EN DIFFUSION GROUPEE SUR UNE LARGE BANDE LIEE**
[72] EVANS, PAUL ANDREW, GB
[73] HYBRID ACCESS TECHNOLOGIES LIMITED, GB
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[25] EN
[54] **USE OF A VEGETAL EXTRACT FOR THE PREVENTION AND TREATMENT OF HAIR LOSS**
[54] **UTILISATION D'UN EXTRAIT VEGETAL POUR LA PREVENTION ET LE TRAITEMENT DE LA CHUTE DES CHEVEUX**
[72] GIULIANI, GIAMMARIA, IT
[72] BENEDUSI, ANNA, IT
[72] MARZANI, BARBARA, IT
[73] GIULIANI S.P.A., IT
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[25] EN
[54] **COUMARIN BASED HSP90 INHIBITORS WITH UREA AND ETHER SUBSTITUENTS**
[54] **INHIBITEURS HSP90 A BASE DE COUMARINE A SUBSTITUANTS D'UREE ET D'ETHER**
[72] BLAGG, BRIAN S.J., US
[72] ZHAO, HUIPING, US
[73] THE UNIVERSITY OF KANSAS, US
[85] 2016-04-29
[86] 2014-11-11 (PCT/US2014/065059)
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[54] **PROCESS FOR CAPTURING SULFUR DIOXIDE FROM A GAS STREAM**
[54] **PROCEDE DE CAPTURE DE DIOXYDE DE SOUFRE DANS UN COURANT DE GAZ**
[72] INFANTINO, MELINA, CA
[72] OUIMET, MICHEL, CA
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[54] **GIP-GLP-1 DUAL AGONIST COMPOUNDS AND METHODS**
[54] **COMPOSES AGONISTES DOUBLES DE GIP ET GLP-1 ET PROCEDES ASSOCIES**
[72] SHELTON, ANNE PERNILLE TOFTENG, DK
[72] NORREGAARD, PIA, DK
[72] FOG, JACOB ULRIK, DK
[72] KNUDSEN, CARSTEN BOYE, DK
[73] ZEALAND PHARMA A/S, DK
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[30] EP (13191843.5) 2013-11-06
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[54] **BUILDING INCLUDING GOLDEN RATIO AND GOLDEN ANGLE**
[54] **BATIMENT INTEGRANT LE NOMBRE D'OR ET UN ANGLE DU NOMBRE D'OR**
[72] AUDET, MATHIEU, CA
[73] AUDET, MATHIEU, CA
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[25] EN
[54] **MANAGING NUCLEAR REACTOR CONTROL RODS**
[54] **GESTION DES BARRES DE COMMANDE D'UN REACTEUR NUCLEAIRE**
[72] YOUNG, ERIC PAUL, US
[72] LISZKAI, TAMAS ROBERT, US
[73] NUSCALE POWER, LLC, US
[85] 2016-05-03
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[25] EN
[54] **ACTUATED FOOT ORTHOTIC WITH EMBEDDED SENSORS AND SYSTEMS AND METHODS FOR USING AND DESIGNING SAME**
[54] **ORTHESE DE PIED ACTIONNEE AYANT DES CAPTEURS**
[72] TRABIA, MOHAMED, US
[72] DUFEK, JANET, US
[73] THE BOARD OF REGENTS OF THE NEVADA SYSTEM OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF NEVADA, US
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[30] US (61/899,960) 2013-11-05
[30] US (62/017,544) 2014-06-26

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[25] EN
[54] **CRYSTALLINE FORMS OF S-ACETYL GLUTATHIONE, THEIR PREPARATIONS AND USES IN PHARMACEUTICAL AND NUTRACEUTICAL FORMULATIONS**
[54] **FORMES CRISTALLINES DE LA S-ACETYL GLUTATHIONE, LEURS PREPARATIONS ET UTILISATIONS DANS DES FORMULATIONS PHARMACEUTIQUES ET NUTRACEUTIQUES**
[72] BIANCHI, DAVIDE, IT
[72] VALETTI, MARCO, IT
[72] BAZZA, PAOLA, IT
[73] GNOSIS S.P.A., IT
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[87] (WO2015/067708)
[30] IT (MI2013A001856) 2013-11-08

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[25] EN
[54] **MANUFACTURING OF DECORATIVE LAMINATES BY INKJET**
[54] **FABRICATION DE STRATIFIES DECORATIFS PAR JET D'ENCRE**
[72] STRIJCKERS, HANS, BE
[73] AGFA NV, BE
[85] 2016-05-10
[86] 2015-01-06 (PCT/EP2015/050076)
[87] (WO2015/104249)
[30] EP (14150788.9) 2014-01-10

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[25] EN
[54] **GEOLOGICAL SCANNER**
[54] **SCANNER GEOLOGIQUE**
[72] CASAS, VICTOR, US
[73] MIKROSCAN TECHNOLOGIES, INC., US
[85] 2016-05-11
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[25] EN
[54] **SYSTEMS, METHOD, AND NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIA FOR GENERATING CARRIER DATA RECORDS FOR USE IN DETERMINING SHIPPING CARRIER RATES**
[54] **SYSTEMES, METHODES ET SUPPORT DE STOCKAGE INFORMATIQUE NON TRANSITOIRE SERVANT A GENERER DES ENREGISTREMENTS DE DONNEES DE TRANSPORTEUR DESTINES A DETERMINER LES RENDEMENTS DE TRANSPORTEUR**
[72] TULLA, GORAK NATH G., US
[72] KAUSHAL, ASHUTOSH, US
[73] WALMART APOLLO, LLC, US
[86] (2930743)
[87] (2930743)
[22] 2016-05-24

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[13] C
[51] **Int.Cl. C12N 15/90 (2006.01) C07H 21/02 (2006.01)**
[25] EN
[54] **LARGE GENE EXCISION AND INSERTION**
[54] **EXCISION ET INSERTION DE GRANDE TAILLE DANS UN GENE**
[72] BYRNE, SUSAN M., US
[72] CHURCH, GEORGE M., US
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2016-05-16
[86] 2014-11-19 (PCT/US2014/066324)
[87] (WO2015/077290)
[30] US (61/906,188) 2013-11-19

[11] **2,930,859**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61P 3/00 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **REDUCING NONSENSE-MEDIATED MRNA DECAY**
[54] **REDUCTION DE DEGRADATION D'ARNM A MEDIATION NON-SENS**
[72] KRAINER, ADRIAN, US
[72] AZNAREZ, ISABEL, US
[72] NOMAKUCHI, TOMOKI, US
[73] COLD SPRING HARBOR LABORATORY, US
[85] 2016-05-16
[86] 2014-09-04 (PCT/US2014/054151)
[87] (WO2015/035091)
[30] US (61/873,780) 2013-09-04

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[51] **Int.Cl. C09D 17/00 (2006.01) C08F 283/00 (2006.01) C08F 290/06 (2006.01) C08F 290/14 (2006.01) C08G 18/08 (2006.01)**
[25] EN
[54] **PIGMENT PASTES COMPRISING AN AQUEOUS DISPERSION OF A COPOLYMER**
[54] **PATES DE PIGMENT RENFERMANT UNE DISPERSION AQUEUSE D'UN COPOLYMERE**
[72] STEINMETZ, BERNHARD, DE
[72] LUHMANN, NADIA, DE
[72] JANKOWSKI, PEGGY, DE
[72] MATURA, MICHAEL, DE
[72] REUTER, HARDY, DE
[72] SCHWARTE, STEPHAN, DE
[73] BASF COATINGS GMBH, DE
[85] 2016-05-17
[86] 2014-11-19 (PCT/EP2014/074964)
[87] (WO2015/090811)
[30] EP (13197970.0) 2013-12-18

[11] **2,931,326**
[13] C
[51] **Int.Cl. A61M 5/34 (2006.01) A61M 5/20 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **PEN NEEDLE ATTACHMENT MECHANISMS**
[54] **MECANISMES DE FIXATION D'AIGUILLE DE STYLO**
[72] SRINIVASAN, SUDARSAN, US
[72] DIBIASI, MICHAEL, US
[72] SULLIVAN, SEAN, US
[72] KNAPP, KEITH, US
[72] HERR, JOSHUA, US
[72] LIMAYE, AMIT, US
[72] HUANG, DAVID, US
[72] SCHIFF, DAVID, US
[72] SACK, TODD, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2016-05-20
[86] 2014-12-04 (PCT/US2014/068498)
[87] (WO2015/085031)
[30] US (61/911,716) 2013-12-04
[30] US (61/931,085) 2014-01-24

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[13] C
[51] **Int.Cl. B04C 5/04 (2006.01) B04C 5/081 (2006.01) B04C 5/13 (2006.01) B04C 5/14 (2006.01)**
[25] EN
[54] **AGGLOMERATING COLLECTOR CYCLONE OF THE REVERSE-FLOW TYPE, DE-DUSTING METHOD AND THEIR USE**
[54] **CYCLONE DE COLLECTEUR AGGLOMERANT DE TYPE FLUX RENVERSE, METHODE DE DEPOUSSIERAGE ET UTILISATION**
[72] RIBERA SALCEDO, ROMUALDO LUIS, PT
[72] DA SILVA PAIVA, JULIO JOSE, PT
[73] ADVANCED CYCLONE SYSTEMS, S.A., PT
[85] 2016-05-25
[86] 2014-11-25 (PCT/IB2014/066338)
[87] (WO2015/075702)
[30] PT (107312) 2013-11-25

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[13] C
[51] **Int.Cl. B64D 41/00 (2006.01) B64F 5/10 (2017.01) B64D 27/26 (2006.01)**
[25] FR
[54] **ADJUSTABLE ENGINE SUSPENSION FOR POSITIONING THE ENGINE RELATIVE TO THE MOUNT THEREOF**
[54] **SUSPENSION REGLABLE D'UN MOTEUR POUR LE POSITIONNER PAR RAPPORT A SON SUPPORT**
[72] CAZENAVE, OLIVIER, FR
[72] LALANNE, CLEMENT, FR
[72] DIONNE, LUC, CA
[73] MICROTURBO, FR
[85] 2016-05-26
[86] 2014-12-04 (PCT/FR2014/053171)
[87] (WO2015/082854)
[30] FR (1362228) 2013-12-06

[11] **2,931,946**
[13] C
[51] **Int.Cl. B65D 88/28 (2006.01) B65D 90/58 (2006.01)**
[25] EN
[54] **BIN OUTLET INSERTS, AND BIN ASSEMBLY SYSTEMS AND METHOD EMPLOYING SUCH INSERTS**
[54] **INSERTS DE SORTIE DE TREMIE, ET SYSTEMES D'ENSEMBLE TREMIE ET PROCEDE EMPLOYANT DE TELS INSERTS**
[72] SOUTHWELL, ROBERT PETER, CA
[72] WILLIAMSON, EDWIN RALPH, CA
[73] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US
[85] 2016-05-27
[86] 2014-11-19 (PCT/US2014/066354)
[87] (WO2015/099908)
[30] US (61/920,051) 2013-12-23

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[13] C
[51] **Int.Cl. G09F 19/00 (2006.01) A63B 71/02 (2006.01) A63B 71/04 (2006.01) G01S 5/02 (2010.01) G09F 27/00 (2006.01)**
[25] EN
[54] **LOCAL POSITIONING AND RESPONSE SYSTEM**
[54] **SYSTEME DE POSITIONNEMENT LOCAL ET DE REPONSE**
[72] SHCHEGLOV, KIRILL, US
[72] BERQUAM, PHILLIP, US
[73] UNLICENSED CHIMP TECHNOLOGIES, LLC, US
[85] 2016-05-27
[86] 2014-12-02 (PCT/US2014/068203)
[87] (WO2015/084870)
[30] US (61/910,843) 2013-12-02
[30] US (61/916,380) 2013-12-16

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[13] C
[51] **Int.Cl. A61K 31/439 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **GLUCOSYLCERAMIDE SYNTHASE INHIBITORS**
[54] **INHIBITEURS DE LA GLUCOSYLCERAMIDE SYNTHASE**
[72] LEONARD, JOHN P., US
[72] DELEUZE, JEAN-FRANCOIS, FR
[72] ITIER, JEAN-MICHEL, FR
[72] ORSINI, CECILE, FR
[72] RET-LECUELLE, GWENAELLE, FR
[72] VIALE, SANDRA, FR
[73] GENZYME CORPORATION, US
[85] 2016-05-27
[86] 2014-12-09 (PCT/US2014/069338)
[87] (WO2015/089067)
[30] US (61/914,842) 2013-12-11

[11] **2,932,447**
[13] C
[51] **Int.Cl. A47C 7/14 (2006.01) A47C 7/46 (2006.01) B60N 2/02 (2006.01) B60N 2/68 (2006.01)**
[25] EN
[54] **ADJUSTABLE SEATING SYSTEMS AND ASSOCIATED STRUCTURES**
[54] **SYSTEMES DE SIEGES REGLABLES ET STRUCTURES ASSOCIEES**
[72] MULLEN, DARRELL J., CA
[72] LEGER, SHAWN, CA
[72] LAGACE, BRUNO, CA
[73] FORCE 3 INNOVATIONS INC., CA
[85] 2016-06-02
[86] 2014-12-05 (PCT/CA2014/000867)
[87] (WO2015/081419)
[30] US (61/912,707) 2013-12-06

[11] **2,932,800**
[13] C
[51] **Int.Cl. A61B 17/17 (2006.01) A61B 90/11 (2016.01)**
[25] EN
[54] **TARGETING DEVICE FOR USE WITH SYSTEMS, METHODS, AND APPARATUSES FOR FUSION, STABILIZATION, AND/OR FIXATION OF BONES**
[54] **DISPOSITIF DE CIBLAGE POUR UNE UTILISATION AVEC DES SYSTEMES, DES PROCEDES ET DES APPAREILS POUR LA FUSION, LA STABILISATION ET/OU LA FIXATION D'OS**
[72] FEIBEL, JONATHAN, US
[72] GORSLINE, ROBERT, US
[72] VALLO, NICHOLAS JOSEPH, US
[72] RAGAIS, CHRISTOS, US
[72] BROWN, CHRISTOPHER, US
[72] HAWKER, CHRISTOPHER, US
[72] ROOT, JEFFREY J., US
[73] FEIBEL, JONATHAN, US
[73] GORSLINE, ROBERT, US
[85] 2016-06-03
[86] 2014-12-05 (PCT/US2014/068948)
[87] (WO2015/085269)
[30] US (61/912,512) 2013-12-05

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[13] C
[51] **Int.Cl. A01K 63/06 (2006.01) F21K 9/00 (2016.01) A01K 61/10 (2017.01) H05B 45/10 (2020.01) H05B 45/20 (2020.01) H05B 47/10 (2020.01) A01K 61/00 (2017.01) F21V 33/00 (2006.01)**
[25] EN
[54] **AN ARTIFICIAL LIGHTING SYSTEM FOR FISH AND A METHOD OF PROVIDING FISH LIGHTING**
[54] **SYSTEME D'ECLAIRAGE ARTIFICIEL POUR POISSONS ET PROCEDE POUR FOURNIR UN ECLAIRAGE DE POISSON**
[72] TANASE, CRISTINA, NL
[72] BROERSMA, REMY CYRILLE, NL
[72] PEETERS, HENRICUS MARIE, NL
[72] WEGH, RENE THEODORUS, NL
[72] VAN ELMPT, ROB FRANCISCUS MARIA, NL
[72] PEETERS, MARTINUS PETRUS JOSEPH, NL
[72] DE BEER, ESTHER, NL
[72] MOLS, RAINIER FRANCISCUS XAVERIUS ALPHONSUS MARIE, NL
[72] VELINGS, RONALDUS JOHANNES MARIA, NL
[72] VAN STIJN, PATRICK HENRICUS JOHANNES, NL
[73] PHILIPS LIGHTING HOLDING B.V., NL
[85] 2016-06-07
[86] 2014-12-08 (PCT/EP2014/076941)
[87] (WO2015/086542)
[30] EP (13196390.2) 2013-12-10

[11] **2,933,469**
[13] C
[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL PEPTIDE AND USES THEREOF**
[54] **PEPTIDE ANTIMICROBIEN ET SES UTILISATIONS**
[72] NIBBERING, PETRUS HENDRICUS, NL
[72] DE BREIJ, ANNA, NL
[72] CORDFUNKE, ROBERT ALEXANDER, NL
[72] ZAAT, SEBASTIANUS ANTONIUS JOHANNES, NL
[72] DRIJFHOUT, JAN WOUTER, NL
[73] ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LUMC, NL
[73] ACADEMISCH MEDISCH CENTRUM, NL
[85] 2016-06-10
[86] 2014-12-12 (PCT/NL2014/050855)
[87] (WO2015/088344)
[30] EP (13196989.1) 2013-12-12

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[13] C
[51] **Int.Cl. A61M 25/00 (2006.01) A61L 29/04 (2006.01) A61L 29/14 (2006.01)**
[25] EN
[54] **WATER DISINTEGRABLE FLUSHABLE CATHETER WITH A HYDROPHILIC COATING**
[54] **CATHETER A JETER DANS LES TOILETTES QUI SE DESINTEGRE DANS L'EAU, DOTE D'UN REVETEMENT HYDROPHILE**
[72] CLARKE, JOHN T., IE
[72] MONTES DE OCA BALDERAS, HORACIO, IE
[72] ROSTAMI, SHAMSEDIN, GB
[73] HOLLISTER INCORPORATED, US
[85] 2016-06-10
[86] 2014-12-10 (PCT/US2014/069534)
[87] (WO2015/089181)
[30] US (61/915,396) 2013-12-12
[30] US (61/915,370) 2013-12-12
[30] US (62/011,410) 2014-06-12

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[13] C
[51] **Int.Cl. A23L 33/17 (2016.01) A23L 7/117 (2016.01) A23L 27/30 (2016.01) A23L 33/125 (2016.01) A23L 33/20 (2016.01) A21D 13/80 (2017.01) A21D 13/06 (2017.01)**
[25] EN
[54] **PROTEIN FOOD PRODUCT COMPRISING D-ALLULOSE**
[54] **PRODUIT ALIMENTAIRE PROTEIQUE COMPRENANT DU D-ALLULOSE**
[72] PERERA, CHANDANI, US
[73] ROQUETTE FRERES, FR
[85] 2016-06-13
[86] 2013-12-20 (PCT/US2013/076932)
[87] (WO2015/094342)

[11] **2,933,763**
[13] C
[51] **Int.Cl. C08H 7/00 (2011.01) C08H 8/00 (2010.01) C08L 97/00 (2006.01) C08L 97/02 (2006.01)**
[25] EN
[54] **A METHOD AND AN APPARATUS FOR SEPARATING LIGNOCELLULOSE PARTICLE FRACTION AND LIGNIN PARTICLE FRACTION, A LIGNIN PARTICLE COMPOSITION, A LIGNOCELLULOSE PARTICLE COMPOSITION AND THEIR USE**
[54] **PROCEDE ET APPAREIL POUR SEPARER UNE FRACTION DE PARTICULES DE LIGNOCELLULOSE ET UNE FRACTION DE PARTICULES DE LIGNINE, COMPOSITION DE PARTICULES DE LIGNINE, COMPOSITION DE PARTIC ULES DE LIGNOCELLULOSE ET LEUR UTILISATION**
[72] MIETTINEN, MAUNO, FI
[73] UPM-KYMMENE CORPORATION, FI
[85] 2016-06-14
[86] 2015-01-09 (PCT/FI2015/050010)
[87] (WO2015/104459)
[30] FI (20145020) 2014-01-13

[11] **2,933,970**
[13] C
[51] **Int.Cl. G08B 17/12 (2006.01) G08B 17/06 (2006.01)**
[25] EN
[54] **HEATABLE SMOKE ALARM**
[54] **ALARME DE FUMEE CHAUFFANTE**
[72] HOPFE, KARL ALBRECHT, DE
[72] PHILIPP, JAN BORIS, DE
[73] DIEHL AVIATION GILCHING GMBH, DE
[86] (2933970)
[87] (2933970)
[22] 2016-06-22
[30] DE (102015009938.8) 2015-07-30

[11] **2,933,989**
[13] C
[51] **Int.Cl. G01V 3/10 (2006.01) B07C 5/34 (2006.01)**
[25] EN
[54] **METAL DETECTOR ASSEMBLY AND METHOD OF ASSEMBLING A METAL DETECTOR**
[54] **ENSEMBLE DETECTEUR DE METAUX ET PROCEDE D'ASSEMBLAGE D'UN DETECTEUR DE METAUX**
[72] ELLISON, PAUL, GB
[72] MILLS, TIM, GB
[72] BUTTERWORTH, DAREN, GB
[73] METTLER-TOLEDO SAFELINE LTD., GB
[85] 2016-06-15
[86] 2014-12-19 (PCT/EP2014/078854)
[87] (WO2015/092010)
[30] EP (13198762.0) 2013-12-20

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[13] C
[51] **Int.Cl. C09K 8/68 (2006.01) C09K 8/524 (2006.01) E21B 43/26 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **CROSS-LINKED ACRYL AMIDE POLYMER OR COPOLYMER GEL AND BREAKER COMPOSITIONS AND METHODS OF USE**
[54] **GEL POLYMERE OU COPOLYMERE D'ACRYLAMIDE RETICULE, COMPOSITIONS DE BRISEURS ET METHODES D'UTILISATION**
[72] LI, JIANG, US
[72] TELLAKULA, ROOPA, US
[72] ROSENCRANCE, SCOTT, US
[73] KEMIRA OYJ, FI
[85] 2016-06-16
[86] 2014-12-30 (PCT/US2014/072668)
[87] (WO2015/103203)
[30] US (61/922,517) 2013-12-31

[11] **2,934,411**
[13] C
[51] **Int.Cl. C12N 5/10 (2006.01) C12N 15/113 (2010.01) C12Q 1/6809 (2018.01) C12N 5/00 (2006.01) C12N 15/63 (2006.01) C12N 15/67 (2006.01) C12P 1/00 (2006.01) C12P 21/00 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **NOVEL EUKARYOTIC CELLS AND METHODS FOR RECOMBINANTLY EXPRESSING A PRODUCT OF INTEREST**
[54] **NOUVELLES CELLULES EUCARYOTES ET PROCEDES D'EXPRESSION PAR RECOMBINAISON D'UN PRODUIT D'INTERET**
[72] JOSTOCK, THOMAS, CH
[72] LAUX, HOLGER, CH
[72] RITTER, ANETT, CH
[73] NOVARTIS AG, CH
[85] 2016-06-17
[86] 2014-12-18 (PCT/IB2014/067073)
[87] (WO2015/092735)
[30] US (61/919,313) 2013-12-20

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[13] C
[51] **Int.Cl. A61B 6/03 (2006.01) A61B 6/00 (2006.01) G06T 5/00 (2006.01) G06T 11/00 (2006.01)**
[25] EN
[54] **TARGET-SPECIFIC DOSE & SCATTER ESTIMATION IN CT IMAGES**
[54] **ESTIMATION DE DIFFUSION & DE DOSE SPECIFIQUE A UNE CIBLE DANS DES IMAGES DE TOMOGRAPHIE ASSISTEE PAR ORDINATEUR (CT)**
[72] HENNIX, MARCUS, SE
[72] NORDSTROM, HAKAN, SE
[72] ERIKSSON, MARKUS, SE
[72] ADLER, JONAS, SE
[72] JAFFRAY, DAVID, CA
[72] BOOTSMA, GREGORY, CA
[72] VERHAEGEN, FRANK, BE
[72] NUTTI, BJORN, SE
[73] ELEKTA AB (PUBL), SE
[73] UNIVERSITY HEALTH NETWORK, CA
[85] 2016-06-17
[86] 2014-12-18 (PCT/EP2014/078394)
[87] (WO2015/091748)
[30] GB (1322452.2) 2013-12-18

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[13] C
[51] **Int.Cl. C11B 1/10 (2006.01) A23D 9/00 (2006.01) C11B 3/04 (2006.01) A61K 31/20 (2006.01) A61K 35/66 (2015.01) C12N 1/12 (2006.01) C12N 1/14 (2006.01)**
[25] EN
[54] **PROCESSES FOR OBTAINING MICROBIAL OIL FROM MICROBIAL CELLS**
[54] **PROCEDES D'OBTENTION D'HUILE MICROBIENNE A PARTIR DE CELLULES MICROBIENNES**
[72] BARKER, MARK, US
[72] TABAYEHNEJAD, NASRIN, US
[72] SHANK, GINGER, US
[72] LEININGER, NEIL FRANCIS, US
[72] MATTHEWS, SR., KIRT LYVELL, US
[73] DSM IP ASSETS B.V., NL
[85] 2016-06-17
[86] 2014-12-19 (PCT/US2014/071459)
[87] (WO2015/095688)
[30] US (61/918,922) 2013-12-20

[11] **2,934,506**
[13] C
[51] **Int.Cl. C11B 1/10 (2006.01) A23D 7/00 (2006.01) A23D 9/00 (2006.01) C11B 3/00 (2006.01)**
[25] EN
[54] **PROCESSES FOR OBTAINING MICROBIAL OIL FROM MICROBIAL CELLS**
[54] **PROCEDES D'OBTENTION D'HUILE MICROBIENNE A PARTIR DE CELLULES MICROBIENNES**
[72] BARKER, MARK, US
[72] TABAYEHNEJAD, NASRIN, US
[72] SHANK, GINGER, US
[72] LEININGER, NEIL FRANCIS, US
[72] MATTHEWS, KIRT LYVELL, SR., US
[73] DSM IP ASSETS B.V., NL
[85] 2016-06-17
[86] 2014-12-19 (PCT/US2014/071466)
[87] (WO2015/095693)
[30] US (61/919,000) 2013-12-20

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[13] C
[51] **Int.Cl. C11B 1/10 (2006.01) A23D 9/00 (2006.01) C12N 1/12 (2006.01) C12N 1/14 (2006.01)**
[25] EN
[54] **PROCESSES FOR OBTAINING MICROBIAL OIL FROM MICROBIAL CELLS**
[54] **PROCEDES POUR L'OBTENTION D'HUILE MICROBIENNE A PARTIR DE CELLULES MICROBIENNES**
[72] LEININGER, NEIL FRANCIS, US
[72] SHANK, GINGER, US
[72] DONG, XIAO, US
[72] PFEIFER, JOSEPH WILLIAM, III, US
[72] PAI, VIDYA, US
[73] DSM IP ASSETS B.V., NL
[85] 2016-06-17
[86] 2014-12-19 (PCT/US2014/071469)
[87] (WO2015/095696)
[30] US (61/919,000) 2013-12-20
[30] US (62/093,986) 2014-12-18

[11] **2,934,571**
[13] C
[51] **Int.Cl. A61B 18/04 (2006.01) A61B 18/00 (2006.01) A61B 18/14 (2006.01) A61B 18/18 (2006.01)**
[25] EN
[54] **SURGICAL SNARE WITH ABILITY TO DELIVER ELECTROMAGNETIC ENERGY AND/OR THERMAL PLASMA INTO BIOLOGICAL TISSUE**
[54] **ANSE CHIRURGICALE CAPABLE DE DELIVRER UNE ENERGIE ELECTROMAGNETIQUE ET/OU UN PLASMA THERMIQUE DANS UN TISSU BIOLOGIQUE**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] WHITE, MALCOLM, GB
[73] CREO MEDICAL LIMITED, GB
[85] 2016-06-20
[86] 2014-12-18 (PCT/GB2014/053758)
[87] (WO2015/097446)
[30] GB (1322850.7) 2013-12-23

[11] **2,934,635**
[13] C
[51] **Int.Cl. A01D 34/66 (2006.01)**
[25] EN
[54] **AGRICULTURAL MACHINE**
[54] **MACHINE AGRICOLE**
[72] NIELSEN, RASMUS ELMELUND, DK
[73] KVERNELAND GROUP KERTEMINDE AS, DK
[85] 2016-06-20
[86] 2014-12-23 (PCT/EP2014/079187)
[87] (WO2015/097230)
[30] EP (13199340.4) 2013-12-23

[11] **2,934,758**
[13] C
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR DIAGNOSING OR MONITORING MUSCULAR DYSTROPHIES**
[54] **PROCEDES POUR LE DIAGNOSTIC OU LE SUIVI DE DYSTROPHIES MUSCULAIRES**
[72] ROUILLON, JEREMY, FR
[72] SVINARTCHOUK, FEDOR, FR
[72] POUPIOT, JEROME, FR
[72] RICHARD, ISABELLE, FR
[73] GENETHON, FR
[85] 2016-06-21
[86] 2015-01-09 (PCT/EP2015/050372)
[87] (WO2015/104403)
[30] EP (14305029.2) 2014-01-09

[11] **2,934,806**
[13] C
[51] **Int.Cl. C02F 9/00 (2006.01) A61L 2/10 (2006.01) C02F 1/00 (2006.01) C02F 1/28 (2006.01) C02F 1/38 (2006.01) C02F 1/44 (2006.01) C02F 1/52 (2006.01) C02F 1/58 (2006.01) C02F 1/66 (2006.01) C02F 9/04 (2006.01)**
[25] EN
[54] **METHOD OF REDUCING INDUSTRIAL WATER USE**
[54] **METHODE DE REDUCTION D'UTILISATION D'EAU INDUSTRIELLE**
[72] MUSALE, DEEPAK A., US
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[54] **5-FLUORO-4-IMINO-3-(ALKYLE/ALKYLE SUBSTITUE)-1-(ARYLSULFONYL)-3,4-DIHYDROPYRIMIDIN-2(1H)-ONE ET LEURS PROCEDES DE PREPARATION**
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[73] UNILIN BVBA, BE
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[54] **COMPOSITIONS DE NETTOYAGE CONTENANT DE L'ARGENT STABLE**
[72] AGARKHED, AJIT MANOHAR, IN
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[73] UNILEVER GLOBAL IP LIMITED, GB
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[54] **COUPLAGE OXYDATIF D'IMPLEMENTATIONS METHANIQUES POUR LA PRODUCTION D'OLEFINES**
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[72] HARRAZ, HATEM, US
[72] RADAELLI, GUIDO, US
[72] SCHER, ERIK C., US
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[54] **SYSTEME A INJECTION DE MOUSSE AVEC GARNITURES D'ORIFICE VARIABLES POUR APPAREIL DE MELANGE ET DE DISTRIBUTION DE BOUE**
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[72] CARRAZCO, LUIS, US
[73] UNITED STATES GYPSUM COMPANY, US
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[54] **METHOD AND SYSTEM FOR RECOVERING ANTIFREEZE FROM A DUST PREVENTION SYSTEM OF A MINERAL MATERIAL PROCESSING PLANT**
[54] **PROCEDES ET SYSTEMES POUR RECUPERER DE L'ANTIGEL D'UN SYSTEME DE PREVENTION DE POUSSIERE D'UNE INSTALLATION DE TRAITEMENT DE MATERIAU MINERAL**
[72] YLA-OUTINEN, KAI, FI
[72] NIEMI, HARRI, FI
[72] MUSTONEN, TIMO, FI
[72] RANTA, NIKO, FI
[72] HEIKKILA, JUHAMATTI, FI
[73] METSO OUTOTEC FINLAND OY, FI
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[54] **PROCEDE ET DISPOSITIF POUR NETTOYER DES ESPACES INTERIEURS DE RECIPIENTS ET D'INSTALLATIONS**
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[54] **DEVICE FOR CLOSING THE TAIL END OF A ROLL OF WEB MATERIAL, AND METHOD**
[54] **DISPOSITIF DE FERMETURE DE L'EXTREMITE DE FUITE D'UN ROULEAU DE MATERIAU EN BANDE ET PROCEDE**
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[72] PARDINI, GIONATA, IT
[73] MAXIMA S.R.L., IT
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[72] ARMSTRONG, RUSSELL WINSTON, GB
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[72] JAEGER, GERNOT, DE
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[73] COVESTRO DEUTSCHLAND AG, DE
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[54] **FIBRES MULTIPHASES A L'ECHELLE NANOMETRIQUE MELANGEES DE FACON CONTIGUE**
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[72] PEGNA, JOSEPH, US
[72] SCHNEITER, JOHN L., US
[72] WILLIAMS, KIRK L., US
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[54] **DEVICE FOR CONVERTING RADIOFREQUENCY ENERGY INTO DC CURRENT (RECTIFIER ANTENNA) AND CORRESPONDING SENSOR**
[54] **DISPOSITIF DE CONVERSION D'ENERGIE RADIOFREQUENCE EN COURANT CONTINU (ANTENNE REDRESSEUSE) ET CAPTEUR CORRESPONDANT**
[72] KUHN, VERONIQUE, FR
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[72] LAHUEC, CYRIL, FR
[72] PERSON, CHRISTIAN, FR
[73] INSTITUT MINES TELECOM, FR
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[54] **VERIFICATEUR DE BILLET SERVANT A ACTIVER LES BILLETS DE JEU PREIMPRIMES GAGNANTS DE SORTE A PERMETTRE LE REMBOURSEMENT DES BILLETS**
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[72] BRESLO, WILLIAM F., US
[73] DIAMOND GAME ENTERPRISES, US
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[54] **COMPOSITIONS A BASE DE LAIT COMPORTANT DU RETENTAT DENATURE DERIVE DU LAIT**
[72] DAS, SHANTANU, NZ
[72] TANEJA, NAMRATA, NZ
[72] OLNEY, SONYA DIANNE, NZ
[72] ELLIS, ASHLING, NZ
[72] HALL, CHRISTOPHER EDWARD, NZ
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[72] YE, AIQIAN, NZ
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[54] **LADLE SHROUD FOR CASTING METAL, KIT OF PARTS FOR COUPLING ASSEMBLY FOR COUPLING SAID LADLE SHROUD TO A LADLE, METAL CASTING INSTALLATION AND COUPLING PROCESS**
[54] **COUVERTURE DE POCHE DESTINEE A COULER DU METAL, KIT DE PIECES POUR UN ENSEMBLE D'ACCOUPLEMENT DESTINE A COUPLER LADITE COUVERTURE DE POCHE A UNE POCHE, INSTALLATION DE COULEE DE M ETAL ET PROCESSUS D'ACCOUPLEMENT**
[72] QUINN, JASON, US
[72] SIBIET, FABRICE, BE
[72] VASSELIN, YANNICK, BE
[73] VESUVIUS GROUP, SA, BE
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[25] EN
[54] **AN X-RAY DEVICE CONFIGURED TO OPERATE IN SCHOTTKY EMISSION MODE, AND ELECTRON EMITTER**
[54] **DISPOSITIF A RAYONS X POUR OPERER EN MODE D'EFFET SCHOTTKY ET EMETTEUR D'ELECTRONS**
[72] HU, QIU-HONG, SE
[73] LUXBRIGHT AB, SE
[85] 2016-08-09
[86] 2015-02-10 (PCT/EP2015/052788)
[87] (WO2015/118177)
[30] US (61/937,677) 2014-02-10

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[13] C
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[25] EN
[54] **DETONATOR INTERRUPTER FOR WELL TOOLS**
[54] **INTERRUPTEUR DE DETONATEUR POUR OUTILS DE PUITS**
[72] MORRISON, IAN, US
[72] ANDRICH, LYLE W., US
[72] VASS, BRADLEY, US
[72] LAGRANGE, TIMOTHY E., US
[73] OWEN OIL TOOLS LP, US
[85] 2016-08-09
[86] 2015-02-12 (PCT/US2015/015659)
[87] (WO2015/123436)
[30] US (61/938,939) 2014-02-12

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[13] C
[51] **Int.Cl. F16K 37/00 (2006.01) E21B 34/02 (2006.01) F16K 1/32 (2006.01)**
[25] EN
[54] **CAGE VALVE WITH EROSION DETECTION**
[54] **VANNE A CAGE AVEC DETECTION DE L'EROSION**
[72] BOHAYCHUK, LARRY J., CA
[72] FINLAYSON, DOUGLAS A., US
[73] MASTER FLO VALVE INC., CA
[86] (2939523)
[87] (2939523)
[22] 2016-08-18
[30] US (62/208,459) 2015-08-21

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[13] C
[51] **Int.Cl. E02F 9/28 (2006.01) E02F 3/40 (2006.01)**
[25] EN
[54] **SHROUD RETENTION SYSTEM HAVING REPLACEABLE LUG INSERT**
[54] **SYSTEME DE RETENUE DE CARENAGE A PIECE RAPPORTEE A PATTES REMPLACABLE**
[72] KUNZ, PHILLIP JOHN, US
[73] CATERPILLAR INC., US
[85] 2016-08-15
[86] 2015-02-05 (PCT/US2015/014602)
[87] (WO2015/130443)
[30] US (14/193,125) 2014-02-28

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[13] C
[51] **Int.Cl. G21K 1/02 (2006.01) A61B 6/00 (2006.01) G21K 3/00 (2006.01)**
[25] EN
[54] **X-RAY COLLIMATOR**
[54] **COLLIMATEUR DE RAYONS X**
[72] TRAVISH, GIL, GB
[72] EVANS, MARK, GB
[72] STEVENS, ROBERT, GB
[73] ADAPTIX LIMITED, GB
[85] 2016-08-16
[86] 2015-03-05 (PCT/GB2015/050637)
[87] (WO2015/132593)
[30] GB (1403889.7) 2014-03-05

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[13] C
[51] **Int.Cl. B28B 11/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PRODUCING PAVER BLOCK HAVING MOTTLED TREAD SURFACE**
[54] **APPAREIL ET PROCEDE DE PRODUCTION DE BLOC DE PAVAGE PRESENTANT UNE SURFACE DE ROULEMENT MARBREE**
[72] BARABAS, ARPAD, HU
[73] BARABAS, ARPAD, HU
[85] 2016-08-16
[86] 2015-02-18 (PCT/HU2015/000018)
[87] (WO2015/128683)
[30] HU (HU/P1400101) 2014-02-25

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[13] C
[51] **Int.Cl. A01G 31/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR AUTOMATED VERTICAL HORTICULTURE AND AGRICULTURE**
[54] **PROCEDE ET APPAREIL D'HORTICULTURE ET D'AGRICULTURE VERTICALES AUTOMATISEES**
[72] BRUSATORE, NICHOLAS G., CA
[73] AFFINOR GROWERS INC., CA
[85] 2016-08-18
[86] 2015-02-19 (PCT/CA2015/050127)
[87] (WO2015/123776)
[30] US (61/942,500) 2014-02-20

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[13] C
[51] **Int.Cl. G10L 15/183 (2013.01) G10L 15/30 (2013.01)**
[25] EN
[54] **FLEXIBLE SCHEMA FOR LANGUAGE MODEL CUSTOMIZATION**
[54] **SCHEMA FLEXIBLE DE PERSONNALISATION DE MODELE LINGUISTIQUE**
[72] LEVIT, MICHAEL, US
[72] GUELMAN, HERNAN, US
[72] CHANG, SHUANGYU, US
[72] PARTHASARATHY, SARANGARAJAN, US
[72] DUMOULIN, BENOIT, US
[73] MICROSOFT TEHCNOLOGY LICENSING, LLC, US
[85] 2016-08-19
[86] 2015-03-23 (PCT/US2015/021921)
[87] (WO2015/148333)
[30] US (14/227,492) 2014-03-27

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[51] **Int.Cl. F21S 43/237 (2018.01) F21S 43/247 (2018.01) F21S 43/27 (2018.01) F21S 45/50 (2018.01) B60Q 1/32 (2006.01) F21V 8/00 (2006.01) F21V 31/00 (2006.01)**
[25] EN
[54] **LIGHT ASSEMBLY WITH CONFORMING SEAL**
[54] **ENSEMBLE D'ECLAIRAGE A JOINT D'ETANCHEITE CONCORDANT**
[72] GOTO, KAZUHIRO, CA
[72] DAWIDZIUK, JAROSLAW HENRYK, CA
[73] TYCO ELECTRONICS CANADA ULC, CA
[85] 2016-08-23
[86] 2015-02-24 (PCT/US2015/017183)
[87] (WO2015/127411)
[30] US (14/188,277) 2014-02-24

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[13] C
[51] **Int.Cl. G06K 19/12 (2006.01) G06Q 20/28 (2012.01)**
[25] EN
[54] **DUAL-FUNCTION CARD WITH KEY CARD FUNCTIONALITY AND STORED VALUE CARD FUNCTIONALITY**
[54] **CARTE A DOUBLE FONCTION AVEC FONCTIONNALITE DE CARTE CLE ET FONCTIONNALITE DE CARTE A VALEUR STOCKEE**
[72] NEWCOMBE, JEFFREY BRIAN, US
[72] POST, RYAN ANDREW, US
[73] STARBUCKS CORPORATION, US
[85] 2016-08-26
[86] 2015-03-02 (PCT/US2015/018306)
[87] (WO2015/134384)
[30] US (61/949,657) 2014-03-07

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[13] C
[51] **Int.Cl. A61M 39/02 (2006.01)**
[25] EN
[54] **PORT FOR A CATHETER**
[54] **CHAMBRE IMPLANTABLE POUR UN CATHETER**
[72] JOCHUM, CHRISTOPH, DE
[73] FRESENIUS KABI DEUTSCHLAND GMBH, DE
[85] 2016-08-29
[86] 2015-02-03 (PCT/EP2015/052114)
[87] (WO2015/132027)
[30] EP (14157404.6) 2014-03-03

[11] **2,941,129**
[13] C
[51] **Int.Cl. B60B 25/22 (2006.01) B60B 23/00 (2006.01) B60C 15/02 (2006.01)**
[25] EN
[54] **ADAPTER FOR ROLLING ASSEMBLY AND ROLLING ASSEMBLY COMPRISING SAME**
[54] **ADAPTATEUR POUR ENSEMBLE ROULANT ET ENSEMBLE ROULANT LE COMPRENANT**
[72] AHOUANTO, MICHEL, FR
[72] BESTGEN, LUC, FR
[72] PINEAU, JACKY, FR
[72] TOPIN, ARTHUR, FR
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[73] MICHELIN RECHERCHE ET TECHNIQUE S.A., CH
[85] 2016-08-29
[86] 2015-03-10 (PCT/EP2015/054954)
[87] (WO2015/158472)
[30] FR (1453409) 2014-04-16

[11] **2,941,267**
[13] C
[51] **Int.Cl. A01B 21/08 (2006.01) A01B 19/08 (2006.01) A01B 23/06 (2006.01)**
[25] EN
[54] **AGRICULTURAL GROUND ENGAGING CHAIN**
[54] **CHAINE DE TRAVAIL DU SOL AGRICOLE**
[72] AINGE, STEPHEN CHARLES, AU
[73] IRON GRIP HOLDINGS PTY LIMITED, AU
[85] 2016-08-31
[86] 2015-03-03 (PCT/AU2015/050086)
[87] (WO2015/131246)
[30] AU (2014900698) 2014-03-03

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[13] C
[51] **Int.Cl. B60C 15/02 (2006.01)**
[25] EN
[54] **ROLLING ASSEMBLY COMPRISING A TYRE, A RIM AND AN ADAPTER**
[54] **ENSEMBLE ROULANT COMPRENANT UN PNEUMATIQUE, UNE JANTE ET UN ADAPTATEUR**
[72] DAVAL, BERTRAND, FR
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[73] MICHELIN RECHERCHE ET TECHNIQUE S.A., CH
[85] 2016-08-31
[86] 2015-03-17 (PCT/EP2015/055503)
[87] (WO2015/165638)
[30] FR (1453853) 2014-04-29

[11] **2,941,475**
[13] C
[51] **Int.Cl. C12N 9/10 (2006.01) C08L 33/04 (2006.01) C12N 9/14 (2006.01) C12N 9/88 (2006.01) C12N 9/90 (2006.01)**
[25] EN
[54] **GRANULES COMPRISING ISOMALTULOSE SYNTHASE**
[54] **GRANULES RENFERMANT DE L'ISOLMALTULOSE SYNTHASE**
[72] HELLMERS, FRANK, DE
[72] HULLER, THOMAS, DE
[72] DASSINGER, THOMAS, DE
[72] THUM, OLIVER, DE
[73] EVONIK OPERATIONS GMBH, DE
[85] 2016-09-01
[86] 2015-03-03 (PCT/EP2015/054361)
[87] (WO2015/132230)
[30] DE (10 2014 203 964.9) 2014-03-05

[11] **2,941,888**
[13] C
[51] **Int.Cl. F17D 5/02 (2006.01)**
[25] EN
[54] **METHODS FOR DETECTION, MARKING AND SEALING LEAKS IN PIPES OR DUCTS**
[54] **PROCEDES POUR DETECTER, MARQUER ET ETANCHEIFIER DES FUITES DANS DES TUYAUX OU DES CANALISATIONS**
[72] MODERA, MARK, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2016-09-07
[86] 2015-03-27 (PCT/US2015/023178)
[87] (WO2015/149023)
[30] US (61/971,108) 2014-03-27

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[13] C
[51] **Int.Cl. A01K 11/00 (2006.01)**
[25] EN
[54] **METAL EAR TAG WITH OVERMOULDED COVER FOR TRANSPONDER HOUSING, AND METHOD OF ASSEMBLING THE SAME**
[54] **ETIQUETTE D'OREILLE METALLIQUE AYANT UN REVETEMENT SURMOULE POUR UN LOGEMENT DE TRANSPONDEUR, ET SON PROCEDE D'ASSEMBLAGE**
[72] WEBBER, RICHARD, GB
[73] SHEARWELL DATA LIMITED, GB
[85] 2016-09-14
[86] 2014-12-01 (PCT/GB2014/053559)
[87] (WO2015/140486)
[30] GB (1405105.6) 2014-03-21

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[13] C
[51] **Int.Cl. B25B 15/00 (2006.01) B25B 23/00 (2006.01) B25B 23/16 (2006.01)**
[25] EN
[54] **QUICK-CONNECT CHUCK MECHANISM FOR SCREWDRIVER BITS AND THE LIKE**
[54] **MECANISME DE MANDRIN A RACCORDEMENT RAPIDE POUR POINTES DE TOURNEVIS, ET ANALOGUES**
[72] SINGH, SATNAM, CA
[72] VASUDEVA, KAILASH C., CA
[73] MAXTECH CONSUMER PRODUCTS LIMITED, CA
[85] 2016-09-16
[86] 2015-04-22 (PCT/CA2015/050334)
[87] (WO2015/161377)
[30] US (61/982,637) 2014-04-22

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[13] C
[51] **Int.Cl. F02C 7/262 (2006.01) B64C 27/04 (2006.01) B64D 35/08 (2006.01) F02C 7/275 (2006.01) F02C 9/42 (2006.01)**
[25] FR
[54] **ARCHITECTURE OF A MULTI-ENGINE HELICOPTER PROPULSION SYSTEM AND CORRESPONDING HELICOPTER**
[54] **ARCHITECTURE D'UN SYSTEME PROPULSIF D'UN HELICOPTERE MULTI-MOTEUR ET HELICOPTERE CORRESPONDANT**
[72] MERCIER-CALVAIRAC, FABIEN, FR
[72] HUMBERT, SOPHIE, FR
[72] BEDDOK, STEPHANE, FR
[73] SAFRAN HELICOPTER ENGINES, FR
[85] 2016-09-19
[86] 2015-03-20 (PCT/FR2015/050698)
[87] (WO2015/145042)
[30] FR (1452651) 2014-03-27

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[13] C
[51] **Int.Cl. F03B 13/26 (2006.01) F03B 17/06 (2006.01)**
[25] EN
[54] **HYDROKINETIC ENERGY CONVERSION SYSTEM WITH HELICAL BLADE**
[54] **SYSTEME DE CONVERSION D'ENERGIE HYDROCINETIQUE A L'AIDE D'UNE PALE HELICOIDE**
[72] HOLM, ANDERS, NO
[73] FLUMILL AS, NO
[85] 2016-09-20
[86] 2015-03-18 (PCT/EP2015/055678)
[87] (WO2015/140209)
[30] GB (1405119.7) 2014-03-21

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[13] C
[51] **Int.Cl. G07C 5/08 (2006.01) G06Q 20/10 (2012.01)**
[25] EN
[54] **AUTOMATED IMPLEMENTATION OF PROVISIONED SERVICES BASED ON CAPTURED SENSOR DATA**
[54] **MISE EN PLACE AUTOMATISEE DE SERVICES FOURNIS FONDEE SUR LES DONNEES DE DETECTEUR CAPTEES**
[72] CHOW, ARTHUR CARROLL, CA
[72] CHAN, PAUL MON-WAH, CA
[72] HALDENBY, PERRY AARON JONES, CA
[72] JETHWA, RAKESH THOMAS, CA
[72] LAW, EDDIE CHEUK LONG, CA
[72] LEE, JOHN JONG SUK, CA
[72] MCCANN, STEPHEN JOHN, CA
[72] NGUYEN, HAITUYEN ANTHONY, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2943762)
[87] (2943762)
[22] 2016-09-30
[30] US (15/281,479) 2016-09-30

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[13] C
[51] **Int.Cl. B01J 38/12 (2006.01) B01J 23/882 (2006.01) B01J 23/883 (2006.01) B01J 23/94 (2006.01) B01J 37/02 (2006.01) B01J 37/20 (2006.01) B01J 37/28 (2006.01) B01J 38/02 (2006.01) B01J 38/48 (2006.01) B01J 38/60 (2006.01)**
[25] EN
[54] **PROCESS FOR REJUVENATING HYDROTREATING CATALYST**
[54] **PROCEDE DE REGENERATION DE CATALYSEUR D'HYDRORAFFINAGE**
[72] VINCENT, GUILLAUME, FR
[72] SEAMANS, JAMES DALLAS, US
[73] CATALYST RECOVERY EUROPE S.A., LU
[85] 2016-09-26
[86] 2015-04-16 (PCT/EP2015/058303)
[87] (WO2015/158846)
[30] LU (92 430) 2014-04-16

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[13] C
[51] **Int.Cl. B65G 65/40 (2006.01) B65G 65/00 (2006.01) B65G 65/30 (2006.01)**
[25] EN
[54] **BIN SWEEP SUPPORT**
[54] **SUPPORT POUR BALAYAGE DE TREMIE**
[72] WITT, WILLIAM, US
[73] SIOUX STEEL COMPANY, US
[85] 2016-09-28
[86] 2015-02-09 (PCT/US2015/014967)
[87] (WO2015/120359)
[30] US (61/937,857) 2014-02-10
[30] US (14/612,768) 2015-02-03

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[13] C
[51] **Int.Cl. C10G 1/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THERMOCATALYTIC TREATMENT OF MATERIAL AND PYROLYSIS OIL PRODUCED THEREWITH**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT THERMO-CATALYTIQUE D'UNE MATIERE ET HUILE DE PYROLYSE FABRIQUE AU MOYEN DE CEUX-CI**
[72] BINDER, SAMIR, DE
[72] JAKUTTIS, MICHAEL, DE
[72] APFELBACHER, ANDREAS, DE
[72] HORNUNG, ANDREAS, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2016-10-04
[86] 2015-04-14 (PCT/EP2015/058102)
[87] (WO2015/158732)
[30] DE (10 2014 105 340.0) 2014-04-15

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[13] C
[51] **Int.Cl. C12N 15/35 (2006.01) A61K 39/23 (2006.01) A61K 39/295 (2006.01) A61P 31/20 (2006.01) A61P 37/04 (2006.01) C07K 14/015 (2006.01) C07K 16/08 (2006.01) C12N 7/00 (2006.01) C12N 7/01 (2006.01) C12Q 1/70 (2006.01) G01N 33/564 (2006.01)**
[25] EN
[54] **NOVEL PORCINE PARVOVIRUS**
[54] **NOUVEAU PARVOVIRUS PORCIN**
[72] GUELEN, LARS, NL
[72] GROOF, AD, NL
[72] SCHRIER, CARLA CHRISTINA, NL
[72] DEIJS, MARTIN, NL
[72] HOEK VAN DER, CORNELIA MARIA, NL
[73] INTERVET INTERNATIONAL B.V., NL
[85] 2016-10-04
[86] 2015-04-16 (PCT/EP2015/058221)
[87] (WO2015/158798)
[30] EP (14165255.2) 2014-04-17

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[13] C
[51] **Int.Cl. B28B 1/48 (2006.01) B28B 11/08 (2006.01) C04B 35/64 (2006.01) C04B 35/71 (2006.01)**
[25] FR
[54] **PROCESS FOR MANUFACTURING A MULTIPERFORATED COMPOSITE PART**
[54] **PROCEDE DE FABRICATION D'UNE PIECE EN MATERIAU COMPOSITE MULTIPERFOREE**
[72] DUCHARLET, PASCAL, FR
[72] MARTIN, XAVIER, FR
[72] LABORDE, JOCELIN, FR
[73] HERAKLES, FR
[85] 2016-10-05
[86] 2015-04-02 (PCT/FR2015/050859)
[87] (WO2015/155445)
[30] FR (1453250) 2014-04-11

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[13] C
[51] **Int.Cl. C08G 18/68 (2006.01) C09J 5/06 (2006.01) C09J 175/14 (2006.01)**
[25] EN
[54] **BREATHABLE AND CROSSLINKABLE THERMOPLASTIC POLYURETHANE**
[54] **POLYURETHANE THERMOPLASTIQUE RETICULABLE ET PERMEABLE A L'AIR**
[72] MAKAL, UMIT G., US
[73] LUBRIZOL ADVANCED MATERIALS, INC., US
[85] 2016-10-13
[86] 2015-04-24 (PCT/US2015/027442)
[87] (WO2015/164695)
[30] US (61/983,824) 2014-04-24
[30] US (61/989,909) 2014-05-07

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[13] C
[51] **Int.Cl. A61K 31/165 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 47/36 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **TOPICAL COMPOSITIONS COMPRISING A CAPSAICINOID FOR PAIN RELIEF, MANUFACTURE AND USE**
[54] **COMPOSITIONS TOPIQUES RENFERMANT UN CAPSAICINOIDE SERVANT A SOULAGER LA DOULEUR, FABRICATION ET UTILISATION**
[72] BIRBARA, PHILIP J. (DECEASED), XX
[72] BUCKS, DANIEL, US
[73] PROPELLA THERAPEUTICS, INC., US
[85] 2016-10-13
[86] 2015-04-15 (PCT/US2015/025957)
[87] (WO2015/160941)
[30] US (61/979,905) 2014-04-15

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[13] C
[51] **Int.Cl. H01M 10/056 (2010.01) C01B 21/086 (2006.01) C01D 15/00 (2006.01) C07C 303/40 (2006.01) C07C 311/48 (2006.01)**
[25] FR
[54] **PREPARATION OF IMIDES CONTAINING A FLUOROSULPHONYL GROUP**
[54] **PREPARATION D'IMIDES CONTENANT UN GROUPEMENT FLUOROSULFONYLE**
[72] SCHMIDT, GREGORY, FR
[72] AUDUREAU, SOPHIE, FR
[73] ARKEMA FRANCE, FR
[85] 2016-10-14
[86] 2015-04-01 (PCT/FR2015/050845)
[87] (WO2015/158979)
[30] FR (1453523) 2014-04-18

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[13] C
[51] **Int.Cl. B64D 29/06 (2006.01) B64D 29/08 (2006.01) F02C 7/04 (2006.01)**
[25] FR
[54] **PROPULSION ASSEMBLY FOR AN AIRCRAFT**
[54] **ENSEMBLE PROPULSIF POUR AERONEF**
[72] FAUGERAS, JOSE, FR
[73] SOCIETE LORRAINE DE CONSTRUCTION AERONAUTIQUE, FR
[85] 2016-10-14
[86] 2015-04-15 (PCT/FR2015/051025)
[87] (WO2015/159026)
[30] FR (14/53493) 2014-04-17

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[13] C
[51] **Int.Cl. B32B 7/10 (2006.01) B32B 27/04 (2006.01) B32B 27/08 (2006.01) B32B 37/15 (2006.01)**
[25] EN
[54] **WEATHERABLE FIRST SURFACE OVER A TIE LAYER OVER A PULTRUDED SUBSTRATE**
[54] **PREMIERE SURFACE RESISTANT AUX INTEMPERIES SUR UNE COUCHE DE LIAISON SUR UN SUBSTRAT PULTRUDE**
[72] MEHLMANN, FLORENCE, US
[72] CARTIER, LAURENT B., US
[72] KENSICKI, ROBERT L., US
[72] BARSOTTI, ROBERT J., US
[72] CRABB, CHARLES C., US
[72] TOFT, ADAM N., US
[72] LACOCK, STEVEN B., US
[72] RICHARDS, THOMAS H., US
[73] TRINSEO EUROPE GMBH, CH
[85] 2016-10-14
[86] 2015-04-08 (PCT/US2015/024871)
[87] (WO2015/160585)
[30] US (61/980,750) 2014-04-17

[11] **2,946,390**
[13] C
[51] **Int.Cl. A61B 18/04 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **MULTI-FUNCTIONAL ELECTROSURGICAL PLASMA ACCESSORY**
[54] **APPAREIL MULTIFONCTIONNEL D'ELECTROCHIRURGIE AU PLASMA**
[72] CANADY, JEROME M.D., US
[72] ZHUANG, TAISEN, US
[72] CHIU, DERECK, US
[72] CHAWLA, SIDDHANT, US
[73] U.S. PATENT INNOVATIONS LLC, US
[85] 2016-10-19
[86] 2015-04-23 (PCT/US2015/027402)
[87] (WO2015/164676)
[30] US (61/983,448) 2014-04-23
[30] US (62/050,584) 2014-09-15

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[13] C
[51] **Int.Cl. F41J 13/00 (2009.01) F41J 13/02 (2009.01)**
[25] EN
[54] **PROJECTILE ARRESTING DEVICE AND PROJECTILE ARRESTING ARRANGEMENT.**
[54] **DISPOSITIF D'ARRET DE PROJECTILE ET DISPOSITIF D'ARRET DE PROJECTILE.**
[72] MOBERG, GERT, SE
[73] STAPP INTERNATIONAL AB, SE
[85] 2016-10-19
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[25] EN
[54] **DEVICE AND METHOD FOR LARGE VOLUME TRANSFECTION**
[54] **DISPOSITIF ET PROCEDE POUR LA TRANSFECTION D'UN GRAND VOLUME**
[72] ALTROGGE, LUDGER, DE
[72] GLEISSNER, TIMO, DE
[72] HEINZE, ANDREAS, DE
[72] HERMSMEIER, SVEN, DE
[73] LONZA COLOGNE GMBH, DE
[85] 2016-10-20
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[87] (WO2015/165879)
[30] EP (14166918.4) 2014-05-02

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[25] EN
[54] **AN APPARATUS FOR COOKING AT LEAST ONE EGG WITH AN EGGSHELL AS WELL AS SUCH A METHOD**
[54] **APPAREIL POUR CUIRE AU MOINS UN □UF COMPRENANT UNE COQUILLE D'□UF, AINSI QU'UN TEL PROCEDE**
[72] NELISSEN, JOSEPH WILHELMUS PETRUS MARIA, NL
[72] VAN SCHAIK, SANDER-WILLEM, NL
[72] HANSSEN, EDWIN MATHEUS JOZEF, NL
[73] EGGCITING PRODUCTS B.V., NL
[85] 2016-10-21
[86] 2015-04-14 (PCT/EP2015/058056)
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[25] EN
[54] **A MECHANIZED SEED SOWING METHOD**
[54] **METHODE D'ENSEMENCEMENT DE GRAINES MECANISE**
[72] BRINDYUK, SERGEI VLADIMIROVICH, RU
[73] BRINDYUK, SERGEI VLADIMIROVICH, RU
[85] 2016-10-21
[86] 2014-04-21 (PCT/RU2014/000286)
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[25] EN
[54] **HYDROGELS OF METHACRYLIC HYALURONIC ACID DERIVATIVES FOR ORAL ENZYME THERAPY IN CELIAC DISEASE**
[54] **HYDROGELS DE DERIVES METHACRYLIQUES D'ACIDE HYALURONIQUE POUR THERAPIE ENZYMATIQUE PAR VOIE ORALE D'UNE MALADIE C□LIAQUE**
[72] PITARRESI, GIOVANNA, IT
[72] PALUMBO, FABIO SALVATORE, IT
[72] GIAMMONA, GAETANO, IT
[73] NEMYSIS LIMITED, IE
[85] 2016-10-24
[86] 2015-05-06 (PCT/EP2015/059941)
[87] (WO2015/169849)
[30] IT (FI2014A000106) 2014-05-07

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[51] **Int.Cl. E06B 3/66 (2006.01) E04D 13/03 (2006.01) E06B 3/02 (2006.01)**
[25] EN
[54] **FIXED GLAZING**
[54] **VITRAGE FIXE**
[72] FRANCK, JAN, DE
[73] FRANCK, JAN, DE
[85] 2016-10-26
[86] 2015-04-28 (PCT/IB2015/000587)
[87] (WO2015/166328)
[30] DE (10 2014 005 989.8) 2014-04-28

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[51] **Int.Cl. H04M 3/42 (2006.01) H04W 4/14 (2009.01) H04M 3/523 (2006.01)**
[25] EN
[54] **VOICE CALL DIVERSION TO ALTERNATE COMMUNICATION METHOD**
[54] **DEVIATION D'APPEL VOCAL VERS UN PROCEDE DE COMMUNICATION ALTERNATIVE**
[72] CAHILL, ANTHONY, IE
[72] KEATING, COLM, IE
[73] WEBTEXT HOLDINGS LIMITED, IE
[85] 2016-10-27
[86] 2015-04-26 (PCT/IB2015/053030)
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[51] **Int.Cl. E05B 73/00 (2006.01)**
[25] EN
[54] **SECURITY TAG WITH A MAGNETIC GATE**
[54] **ETIQUETTE DE SECURITE A GRILLE MAGNETIQUE**
[72] NGUYEN, THANG TAT, US
[73] SENSORMATIC ELECTRONICS LLC, US
[85] 2016-11-03
[86] 2015-02-26 (PCT/US2015/017655)
[87] (WO2015/130886)
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[51] **Int.Cl. F16L 27/08 (2006.01)**
[25] EN
[54] **ROTARY JOINT FOR A HIGH PRESSURE FLUID**
[54] **JOINT ROTATIF POUR FLUIDE A HAUTE PRESSION**
[72] GENNASIO, ENRICO, IT
[72] MAZZOLI, STEFANO, IT
[72] DOI, RINALDO, IT
[73] ALFA GOMMA S.P.A., IT
[85] 2016-11-07
[86] 2015-05-05 (PCT/EP2015/059862)
[87] (WO2015/169805)
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[51] **Int.Cl. E03D 11/08 (2006.01) E03D 1/26 (2006.01) E03D 11/02 (2006.01) E03D 11/13 (2006.01)**
[25] EN
[54] **A RIMLESS TOILET PAN AND A METHOD OF FLUSHING SAME**
[54] **CUVETTE DE TOILETTES SANS BORD ET SON PROCEDE DE RINCAGE**
[72] CUMMINGS, STEPHEN JOHN, AU
[72] CONRAD, LEONARD, AU
[72] QUARTIERO, FRANK, AU
[72] KARUNARATNE, JOHANN, AU
[73] CAROMA INDUSTRIES LIMITED, AU
[85] 2016-11-08
[86] 2015-05-08 (PCT/AU2015/000269)
[87] (WO2015/196235)
[30] AU (2014902445) 2014-06-26

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[13] C
[51] **Int.Cl. C08L 67/02 (2006.01)**
[25] EN
[54] **ARTICLES PRODUCED BY THERMOFORMING**
[54] **ARTICLE FACONNE PAR THERMOFORMAGE**
[72] LEHENMEIER, MAXIMILIAN, DE
[72] SKUPIN, GABRIEL, DE
[72] BUSSMANN, MARTIN, DE
[73] BASF SE, DE
[85] 2016-11-08
[86] 2015-04-29 (PCT/EP2015/059301)
[87] (WO2015/169659)
[30] EP (14167689.0) 2014-05-09

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[51] **Int.Cl. C08L 67/02 (2006.01) C08K 3/34 (2006.01)**
[25] EN
[54] **INJECTION-MOULDED ARTICLE**
[54] **ARTICLE MOULE PAR INJECTION**
[72] LEHENMEIER, MAXIMILIAN, DE
[72] SKUPIN, GABRIEL, DE
[72] BUSSMANN, MARTIN, DE
[73] BASF SE, DE
[85] 2016-11-08
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[87] (WO2015/169660)
[30] EP (14167691.6) 2014-05-09
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[13] C
[51] **Int.Cl. A61B 5/107 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL PLANTAR IMAGING APPARATUS AND MEMBRANE ASSEMBLY FOR USE IN THE SAME**
[54] **APPAREIL D'IMAGERIE PLANTAIRE TRIDIMENSIONNELLE, ET ENSEMBLE MEMBRANE A UTILISER DANS CELUI-CI**
[72] MOUGIN, PATRICK, CA
[72] LACHHAB, MOHAMED, CA
[72] LEGARE, PHILIPPE, CA
[73] CRYOS TECHNOLOGIES INC., CA
[85] 2016-03-16
[86] 2015-05-20 (PCT/CA2015/050453)
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[30] US (62/001,488) 2014-05-21

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[13] C
[51] **Int.Cl. F16L 37/28 (2006.01) F16L 37/38 (2006.01) F16L 37/413 (2006.01)**
[25] EN
[54] **QUICK COUPLING ENGAGEABLE UNDER PRESSURE**
[54] **RACCORD RAPIDE POUVANT SE METTRE EN PRISE SOUS PRESSION**
[72] GENNASIO, ENRICO, IT
[72] MAZZOLI, STEFANO, IT
[72] DOI, RINALDO, IT
[73] ALFA GOMMA S.P.A., IT
[85] 2016-11-14
[86] 2015-05-08 (PCT/EP2015/060155)
[87] (WO2015/173131)
[30] IT (MI2014A 000860) 2014-05-12

[11] **2,948,982**
[13] C
[51] **Int.Cl. F28D 5/02 (2006.01) F28D 3/02 (2006.01) F28F 13/00 (2006.01) F28F 19/01 (2006.01)**
[25] EN
[54] **COMBINED CONVECTOR**
[54] **CONVECTEUR COMBINE**
[72] STRUMENTI, FRANCESCO, IT
[72] DORIN, FILIPPO, IT
[73] FRIGEL FIRENZE S.P.A., IT
[85] 2016-11-14
[86] 2015-05-14 (PCT/IB2015/053563)
[87] (WO2015/173767)
[30] IT (FI2014A000113) 2014-05-15

[11] **2,949,430**
[13] C
[51] **Int.Cl. B28C 5/02 (2006.01) C04B 38/10 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR THE PRODUCTION OF FOAM**
[54] **APPAREIL ET PROCEDE DE PRODUCTION DE MOUSSE**
[72] JAFFEL, HAMOUDA, FR
[72] MORLAT, RICHARD, FR
[73] SAINT-GOBAIN PLACO SAS, FR
[85] 2016-11-17
[86] 2015-06-04 (PCT/EP2015/062522)
[87] (WO2015/185700)
[30] EP (14290163.6) 2014-06-05

[11] **2,949,433**
[13] C
[51] **Int.Cl. C07C 67/24 (2006.01) C07C 67/08 (2006.01)**
[25] EN
[54] **METHOD FOR THE PREPARATION OF (S)-2-ACETYLOXYPROPIONIC ACID AND DERIVATIVES THEREOF**
[54] **PROCEDE DE PREPARATION D'ACIDE (S)-2-ACETYLOXYPROPIONIQUE ET DE SES DERIVES**
[72] FRETTA, ROBERTA, IT
[72] VISCARDI, CARLO FELICE, IT
[72] DELOGU, PIETRO, IT
[72] NARDELLI, ALFONSO, IT
[72] SGUASSERO, STEFANO, IT
[72] DI GIORGIO, FERNANDA, IT
[73] BRACCO IMAGING SPA, IT
[85] 2016-11-17
[86] 2015-06-10 (PCT/EP2015/062892)
[87] (WO2015/189244)
[30] EP (14171751.2) 2014-06-10

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[13] C
[51] **Int.Cl. B65G 47/08 (2006.01)**
[25] EN
[54] **PART FEEDER APPARATUS**
[54] **APPAREIL D'ALIMENTATION DE PIECE**
[72] AOYAMA, SHOJI, JP
[72] AOYAMA, YOSHITAKA, JP
[73] AOYAMA, SHOJI, JP
[85] 2016-11-18
[86] 2015-05-20 (PCT/JP2015/064442)
[87] (WO2015/182450)
[30] JP (2014-119983) 2014-05-24
[30] JP (2014-124743) 2014-05-31
[30] JP (2014-129660) 2014-06-07
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[11] **2,949,667**
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[51] **Int.Cl. C07D 401/04 (2006.01)**
[25] EN
[54] **ENANTIOPURE HAPTENS FOR NICOTINE VACCINE DEVELOPMENT**
[54] **HAPTENES ENANTIOPURS POUR DEVELOPPER DES VACCINS CONTRE LA NICOTINE**
[72] JANDA, KIM D., US
[72] LOCKNER, JONATHAN W., US
[73] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2016-11-18
[86] 2015-05-19 (PCT/US2015/031583)
[87] (WO2015/179403)
[30] US (62/000,312) 2014-05-19

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[51] **Int.Cl. A45D 33/34 (2006.01)**
[25] EN
[54] **COSMETIC COMPOSITION APPLICATOR INCLUDING IMPERMEABLE SHEET**
[54] **APPLICATEUR DE COMPOSITION COSMETIQUE COMPRENANT UNE FEUILLE IMPERMEABLE**
[72] CHOI, JUNG SUN, KR
[72] CHOI, KYUNG HO, KR
[73] AMOREPACIFIC CORPORATION, KR
[85] 2016-11-23
[86] 2015-06-01 (PCT/KR2015/005477)
[87] (WO2015/183055)
[30] KR (10-2014-0066106) 2014-05-30
[30] KR (10-2015-0077259) 2015-06-01

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[51] **Int.Cl. A61C 19/04 (2006.01) A61B 1/247 (2006.01) A61C 9/00 (2006.01)**
[25] EN
[54] **NOVEL DENTAL SCANNER DEVICE AND SYSTEM AND METHODS OF USE**
[54] **NOUVEAU DISPOSITIF DE SCANNER DENTAIRE ET SYSTEME ET PROCEDES D'UTILISATION**
[72] FERNANDEZ PULIDO, ALFONSO, ES
[72] DEPABLOS GARCIA, DAVID, ES
[73] CARNOJAAL, S.L., ES
[85] 2016-11-23
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[87] (WO2015/178962)
[30] US (14/286,650) 2014-05-23
[30] US (62/037,822) 2014-08-15

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[51] **Int.Cl. F01D 5/18 (2006.01) B22C 9/10 (2006.01)**
[25] EN
[54] **TURBINE BLADE WITH OPTIMISED COOLING**
[54] **AUBE DE TURBINE A REFROIDISSEMENT OPTIMISE**
[72] DUJOL, CHARLOTTE MARIE, FR
[72] ENEAU, PATRICE, FR
[72] DIGARD BROU DE CUISSART, SEBASTIEN, FR
[72] VOLLEBREGT, MATTHIEU JEAN-LUC, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2016-11-22
[86] 2015-05-27 (PCT/FR2015/051397)
[87] (WO2015/181497)
[30] FR (1454864) 2014-05-28

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[13] C
[51] **Int.Cl. H04W 4/44 (2018.01) G06Q 50/30 (2012.01) H04W 4/38 (2018.01) H04W 76/19 (2018.01)**
[25] EN
[54] **MAINTAINING DATA FOR USE WITH A TRANSPORT SERVICE DURING CONNECTIVITY LOSS BETWEEN SYSTEMS**
[54] **MAINTIEN DE DONNEES POUR UNE UTILISATION AVEC UN SERVICE DE TRANSPORT PENDANT UNE PERTE DE CONNECTIVITE ENTRE DES SYSTEMES**
[72] PEDERSEN, LARS SOENDERGAARD, US
[72] SCHMIDT, RENE WENZEL, US
[73] UBER TECHNOLOGIES, INC., US
[85] 2016-12-01
[86] 2015-06-02 (PCT/US2015/033801)
[87] (WO2015/187706)
[30] US (14/294,041) 2014-06-02

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[13] C
[51] **Int.Cl. A61M 15/00 (2006.01)**
[25] EN
[54] **A BREATH ACTUATED DRY POWDER INHALER**
[54] **INHALATEUR A POUDRE SECHE ACTIONNE PAR LA RESPIRATION**
[72] DE BOER, ANNE HAAIJE, NL
[72] HAGEDOORN, PAUL, NL
[72] FRIJLINK, HENDERIK WILLEM, NL
[73] RIJKSUNIVERSITEIT GRONINGEN, NL
[85] 2016-12-01
[86] 2015-06-05 (PCT/NL2015/050413)
[87] (WO2015/187025)
[30] EP (14171551.6) 2014-06-06

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[51] **Int.Cl. B01D 61/36 (2006.01) B01D 53/22 (2006.01) B01D 71/06 (2006.01) C09D 101/12 (2006.01) C09D 171/10 (2006.01)**
[25] EN
[54] **BLENDED MEMBRANES FOR WATER VAPOR TRANSPORT AND METHODS FOR PREPARING SAME**
[54] **MEMBRANES MIXTES POUR TRANSPORT DE VAPEUR D'EAU ET LEURS PROCEDES DE PREPARATION**
[72] HUIZING, RYAN NICHOLAS, CA
[72] CHEN, HAO, CA
[72] WONG, FRANKIE KIN BONG, CA
[73] CORE ENERGY RECOVERY SOLUTIONS INC., CA
[85] 2016-12-05
[86] 2015-06-16 (PCT/CA2015/050557)
[87] (WO2015/192238)
[30] US (62/012,533) 2014-06-16

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[51] **Int.Cl. B64F 1/36 (2017.01) B65G 47/74 (2006.01) B66C 13/22 (2006.01)**
[25] EN
[54] **A DEVICE FOR SUPPORTING AN OBJECT SUCH AS AN ITEM OF LUGGAGE AS WELL AS AN ASSOCIATED METHOD**
[54] **DISPOSITIF DE SUPPORT D'UN OBJET TEL QU'UN ARTICLE DE BAGAGE, AINSI QU'UN PROCEDE ASSOCIE**
[72] VAN MEIJL, ERIK WILHELMUS PETRONELLA, NL
[73] VANDERLANDE INDUSTRIES B.V., NL
[85] 2016-12-07
[86] 2015-06-10 (PCT/NL2015/050418)
[87] (WO2015/194942)
[30] NL (2013002) 2014-06-16

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[51] **Int.Cl. A23L 5/20 (2016.01) A23K 10/30 (2016.01) A23L 7/10 (2016.01) A23L 11/30 (2016.01) A61K 8/97 (2017.01)**
[25] EN
[54] **REMOVAL OF PHYTHATE**
[54] **EXTRACTION DE PHYTHATE**
[72] VERCAUTEREN, RONNY LEONTINA MARCEL, BE
[73] BOORTMALT NV, BE
[85] 2016-12-09
[86] 2015-06-12 (PCT/US2015/035502)
[87] (WO2015/191966)
[30] EP (14172185.2) 2014-06-12

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[51] **Int.Cl. C09D 183/02 (2006.01) D21H 27/10 (2006.01) D21H 27/32 (2006.01) D21H 27/40 (2006.01)**
[25] EN
[54] **METHOD FOR DEPOSITING A SILICON DIOXIDE LAYER**
[54] **PROCEDE D'APPLICATION D'UNE COUCHE DE SILICE**
[72] BURGGRAF, JURGEN, AT
[73] EV GROUP E. THALLNER GMBH, AT
[85] 2016-12-12
[86] 2014-06-26 (PCT/EP2014/063537)
[87] (WO2015/197122)

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[51] **Int.Cl. B61L 23/00 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD, AND APPARATUS FOR GENERATING VITAL MESSAGES ON AN ON-BOARD SYSTEM OF A VEHICLE**
[54] **SYSTEME, PROCEDE ET APPAREIL DE GENERATION DE MESSAGES VITAUX SUR UN SYSTEME EMBARQUE DE VEHICULE**
[72] RUHLAND, KRISTOFER M., US
[72] GAWNE, KENDRICK W., US
[72] FENSKE, JAMES L., US
[73] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[85] 2016-12-12
[86] 2015-07-07 (PCT/US2015/039329)
[87] (WO2016/007477)
[30] US (62/021,346) 2014-07-07
[30] US (14/791,785) 2015-07-06

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[13] C
[51] **Int.Cl. A01N 33/12 (2006.01) A01P 1/00 (2006.01) A61K 8/81 (2006.01) A61L 27/34 (2006.01) A61L 27/54 (2006.01) A61L 29/08 (2006.01) A61L 29/16 (2006.01) A61L 31/08 (2006.01) A61L 31/16 (2006.01) A61Q 19/10 (2006.01) B65D 81/28 (2006.01) C08F 32/06 (2006.01) D21H 17/45 (2006.01) D21H 21/36 (2006.01)**
[25] EN
[54] **AN ANTIMICROBIAL POLYMER WHEREIN AN AROMATIC MOIETY IS COVALENTLY INCORPORATED INTO THE POLYMER BACKBONE THROUGH LOSS OF AROMATICITY**
[54] **POLYMERE ANTIMICROBIEN DANS LEQUEL UN GROUPE AROMATIQUE EST INTEGRE DE MANIERE COVALENTE DANS LA CHAINE PRINCIPALE DU POLYMERE PAR LA PERTE D'AROMATICITE**
[72] GHANDI, KHASHAYAR, CA
[72] MAHIMWALLA, ZAHID SHABBIR, CA
[72] BAERLOCHER, FELIX, CA
[73] CHEMGREEN INNOVATION INC., CA
[85] 2016-12-19
[86] 2014-06-18 (PCT/CA2014/000505)
[87] (WO2014/201544)
[30] US (61/836,360) 2013-06-18

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[13] C
[51] **Int.Cl. B65H 3/02 (2006.01) B65H 5/00 (2006.01)**
[25] EN
[54] **DEVICE FOR SEPARATING SHEET MATERIAL**
[54] **DISPOSITIF DE SEPARATION DE FEUILLES**
[72] LOCHBICHLER, MATHIAS, DE
[72] LANKEIT, CHRISTOPHER, DE
[72] LANDWEHR, MARTIN, DE
[72] HOISCHEN, LUDGER, DE
[73] WINCOR NIXDORF INTERNATIONAL GMBH, DE
[85] 2016-12-22
[86] 2015-06-23 (PCT/EP2015/064081)
[87] (WO2016/001011)
[30] EP (14175196.6) 2014-07-01
[30] EP (14196274.6) 2014-12-04

[11] **2,953,755**
[13] C
[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **CAPSULE FOR RAPID MOLECULAR QUANTIFICATION OF A FLUID SAMPLE SUCH AS WHOLE BLOOD**
[54] **CAPSULE POUR QUANTIFICATION MOLECULAIRE RAPIDE D'UN ECHANTILLON DE FLUIDE TEL QUE DU SANG TOTAL**
[72] MAERKI, IWAN, CH
[72] CARRERE, LAURIANE, CH
[72] DURAND, NICOLAS, CH
[73] ABIONIC SA, CH
[85] 2016-12-28
[86] 2015-06-23 (PCT/IB2015/054706)
[87] (WO2016/001795)
[30] IB (PCT/IB2014/062818) 2014-07-03

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[13] C
[51] **Int.Cl. G01N 21/88 (2006.01) G01N 21/90 (2006.01) G01N 21/954 (2006.01)**
[25] EN
[54] **CRACK DETECTION AND MEASUREMENT IN METALLURGICAL VESSELS**
[54] **DETECTION ET MESURE DE FISSURES DANS DES RECIPIENTS METALLURGIQUES**
[72] HARVILL, THOMAS, US
[73] PROCESS METRIX, LLC, US
[85] 2017-01-03
[86] 2015-05-29 (PCT/US2015/033200)
[87] (WO2016/010635)
[30] US (62/026,052) 2014-07-18

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[13] C
[51] **Int.Cl. B25B 13/50 (2006.01) E21B 19/16 (2006.01) F16L 19/00 (2006.01)**
[25] EN
[54] **HAMMER UNION WRENCH**
[54] **CLE A RACCORD-UNION**
[72] CHISHOLM, JAMES, CA
[72] GUNDERSON, CODY, CA
[72] TIDBALL, KEVIN, CA
[72] NELSEN, BLAIR, CA
[73] NELSEN TECHNOLOGIES INC., CA
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[87] (2954243)
[22] 2017-01-10
[30] US (62/291,997) 2016-02-05

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[25] FR
[54] **OVERSPEED PROTECTION DEVICE OF AN AIRCRAFT ENGINE**
[54] **DISPOSITIF DE PROTECTION CONTRE SURVITESSE D'UN MOTEUR D'AERONEF**
[72] MONTOYA, MICHAEL, FR
[72] MARTI, NICOLAS, FR
[72] LANGFORD, STEPHEN, FR
[72] SAMSON, RAFAEL, FR
[73] SAFRAN ELECTRONICS & DEFENSE, FR
[73] SAFRAN HELICOPTER ENGINES, FR
[85] 2017-01-19
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[30] FR (1457032) 2014-07-21

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[51] **Int.Cl. C09K 23/52 (2022.01) C09K 23/18 (2022.01) C09K 8/584 (2006.01)**
[25] EN
[54] **A SURFACTANT COMPOSITION COMPRISING A CATIONIC, QUATERNARY AMMONIUM SURFACTANT AND AN ANIONIC SURFACTANT, PRODUCTION AND USE THEREOF**
[54] **COMPOSITION TENSIOACTIVE COMPRENANT UN AGENT DE SURFACE A BASE D'AMMONIUM QUATERNAIRE CATIONIQUE ET UN AGENT DE SURFACE ANIONIQUE, PRODUCTION ET UTILISATION**
[72] LI, YINGCHENG, CN
[72] GU, SONGYUAN, CN
[72] ZHANG, WEIDONG, CN
[72] BAO, XINNING, CN
[72] SHA, OU, CN
[72] SHEN, ZHIQIN, CN
[72] YANG, YIQING, CN
[72] ZHAI, XIAODONG, CN
[73] SHANGHAI RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY, SINOPEC, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[85] 2017-01-23
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[25] EN
[54] **VERY LOW DENSITY POLYETHYLENE PRODUCED WITH SINGLE SITE CATALYST**
[54] **POLYETHYLENE TRES BASSE DENSITE PRODUIT AVEC UN CATALYSEUR A UN SEUL SITE**
[72] GOYAL, SHIVENDRA KUMAR, CA
[72] GILLON, BRONWYN HILARY, CA
[72] DOBBIN, CHRISTOPHER JOHN BROOKE, CA
[72] SALOMONS, STEPHEN, CA
[73] NOVA CHEMICALS CORPORATION, CA
[85] 2017-01-25
[86] 2015-08-06 (PCT/IB2015/055995)
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[51] **Int.Cl. B65G 1/16 (2006.01) B65G 1/02 (2006.01) B65G 1/14 (2006.01)**
[25] EN
[54] **HONEYCOMB STORAGE SYSTEM AND COMMISSIONING DEVICE FOR A HONEYCOMB STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE ALVEOLE ET DISPOSITIF DE MISE EN SERVICE D'UN SYSTEME DE STOCKAGE ALVEOLE**
[72] STOLZER, ARMIN, DE
[73] KEURO BESITZ GMBH & CO. EDV-DIENSTLEISTUNGS KG, DE
[86] (2956506)
[87] (2956506)
[22] 2017-01-27
[30] DE (10 2016 101 674.8) 2016-01-29

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[51] **Int.Cl. E04C 3/12 (2006.01) B27B 1/00 (2006.01) B27M 3/00 (2006.01)**
[25] EN
[54] **A GLUELAM STRUCTURAL MEMBER AND A METHOD OF PRODUCING SUCH A GLUELAM STRUCTURAL MEMBER**
[54] **ELEMENT STRUCTUREL DE LAMELLE-COLLE, ET PROCEDE DE PRODUCTION D'UN TEL ELEMENT STRUCTUREL DE LAMELLE-COLLE**
[72] HIRMKE, MARKUS, AT
[73] STORA ENSO OYJ, FI
[85] 2017-02-03
[86] 2015-08-05 (PCT/IB2015/055934)
[87] (WO2016/020848)
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[25] EN
[54] **METHODS AND APPARATUS TO PREDICT END OF STREAMING MEDIA USING A PREDICTION MODEL**
[54] **PROCEDES ET APPAREIL POUR PREDIRE LA FIN D'UNE DIFFUSION MULTIMEDIA EN FLUX CONTINU A L'AIDE D'UN MODELE DE PREDICTION**
[72] BESEHANIC, JAN, US
[73] THE NIELSEN COMPANY (US), LLC, US
[85] 2017-02-14
[86] 2014-12-02 (PCT/US2014/068075)
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[25] EN
[54] **METHOD FOR RAISING ANIMALS**
[54] **PROCEDE POUR L'ELEVAGE D'ANIMAUX**
[72] SILVA, AMELIA CLAUDIA, DE
[72] EILS, STEFAN, DE
[72] PRIEFERT, HORST, DE
[72] RABE, CHRISTIAN, DE
[73] EVONIK OPERATIONS GMBH, DE
[85] 2017-02-15
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[25] EN
[54] **TILE SAW**
[54] **SCIE A CERAMIQUE**
[72] DUTTERER, DAVID E., US
[73] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
[86] (2959637)
[87] (2959637)
[22] 2017-03-01
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[25] EN
[54] **CHUNK-BASED FILE ACQUISITION AND FILE REPUTATION EVALUATION**
[54] **ACQUISITION DE FICHIER DE BLOCS ET EVALUATION DE REPUTATION DE FICHIER**
[72] SIM, ROBERT ALEXANDER, US
[72] SEIFERT, CHRISTIAN, US
[72] PENTA, ANTHONY, US
[72] HABER, ELLIOTT JEB, US
[72] KASPERKIEWICZ, TOMASZ, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-03-01
[86] 2015-09-16 (PCT/US2015/050307)
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[25] EN
[54] **DISPLAY WITH EYE-DISCOMFORT REDUCTION**
[54] **AFFICHAGE A REDUCTION D'INCONFORT OCULAIRE**
[72] FULLAM, SCOTT, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-03-13
[86] 2015-09-15 (PCT/US2015/050068)
[87] (WO2016/044195)
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[25] EN
[54] **CABLE TERMINATION WITH AN INTEGRATED MONITORING DEVICE**
[54] **TERMINAISON DE CABLE A DISPOSITIF DE SURVEILLANCE INTEGRE**
[72] SICA, GERARDO, IT
[72] BOFFI, PAOLO, IT
[72] QUAGGIA, DARIO, IT
[73] PRYSMIAN S.P.A., IT
[85] 2017-03-14
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[25] EN
[54] **A DRILL STRING ELEMENT AND ASSOCIATED EQUIPMENT AND METHODS**
[54] **ELEMENT DE TRAIN DE TIGES ET EQUIPEMENT ET PROCEDES ASSOCIES**
[72] SHEARER, DAVID, GB
[73] MAXOL LIMITED (COMPANY NUMBER 11674981), GB
[85] 2017-03-31
[86] 2014-11-25 (PCT/GB2014/053471)
[87] (WO2015/079212)
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[51] **Int.Cl. G01V 1/00 (2006.01) G01V 1/38 (2006.01)**
[25] EN
[54] **SEISMIC ACQUISITION METHOD**
[54] **PROCEDE D'ACQUISITION SISMIQUE**
[72] DELLINGER, JOSEPH ANTHONY, US
[73] BP CORPORATION NORTH AMERICA INC., US
[85] 2017-04-05
[86] 2015-12-01 (PCT/US2015/063200)
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[25] EN
[54] **CHOLESTEROL LOWERING CAPSULES**
[54] **CAPSULES ABAISSANT LE TAUX DE CHOLESTEROL**
[72] KUUSISTO, PAIVI, FI
[72] WESTER, INGMAR, FI
[72] KOPONEN, LEENA, FI
[72] EKBLOM, JARI, FI
[72] NIEMELA, JOUNI, FI
[73] RAISIO NUTRITION LTD, FI
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[25] EN
[54] **IMPROVED ACOUSTIC PERFORMANCE OF TIMBER FRAME PARTITIONS**
[54] **PERFORMANCE ACOUSTIQUE AMELIOREE DE CLOISONS SUR OSSATURE EN BOIS**
[72] RIDEOUT, JAN, GB
[72] EVANS, ROBERT, GB
[73] SAINT-GOBAIN PLACO SAS, FR
[85] 2017-04-07
[86] 2015-10-09 (PCT/GB2015/052968)
[87] (WO2016/055807)
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[25] EN
[54] **BINDER COMPOSITIONS FOR MAKING CROSSLINKED CELLULOSE FIBER**
[54] **COMPOSITIONS DE LIANT POUR LA FABRICATION DE FIBRES DE CELLULOSE RETICULEES**
[72] RAND, CHARLES J., US
[72] FINCH, WILLIAM C., US
[72] RODOWSKI, C. DAMIEN, US
[72] WILLIAMS, DREW E., US
[73] ROHM AND HAAS COMPANY, US
[85] 2017-05-10
[86] 2015-11-20 (PCT/US2015/061807)
[87] (WO2016/081819)
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[13] C
[51] **Int.Cl. B60K 7/00 (2006.01) B60K 17/04 (2006.01)**
[25] EN
[54] **COMPACT INTEGRATED MOTOR-GEAR DRIVE UNIT WITH CYCLOIDAL REDUCTION AND DEVICE INCORPORATING THIS UNIT**
[54] **UNITE D'ENTRAINEMENT D'ENGRENAGE DE MOTEUR INTEGREE COMPACTE AYANT UNE REDUCTION CYCLOIDALE ET DISPOSITIF INCORPORANT CETTE UNITE**
[72] BOLT, JOHANNES JACOBUS, NL
[73] B.M. INNOVATIES B.V., NL
[85] 2017-05-12
[86] 2014-12-11 (PCT/EP2014/077390)
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[25] FR
[54] **TYRE SIDEWALL**
[54] **FLANC POUR PNEUMATIQUE**
[72] BELIN, CECILE, FR
[72] GONCALVES, OLIVIER, FR
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[73] MICHELIN RECHERCHE ET TECHNIQUE S.A., CH
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[86] 2015-12-09 (PCT/EP2015/079066)
[87] (WO2016/096559)
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[51] **Int.Cl. F16K 31/00 (2006.01) F16K 31/14 (2006.01)**
[25] EN
[54] **KIT FOR MOUNTING AN ACTUATOR TO A VALVE**
[54] **TROUSSE DE MONTAGE D'UN ACTIONNEUR A UNE VANNE**
[72] SCARAMUCCI, JOHN P., US
[72] LOWE, DANNY R., US
[72] THORP, JASON C., US
[73] VALVE INNOVATIONS, LLC, US
[86] (2969919)
[87] (2969919)
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[51] **Int.Cl. A63B 59/50 (2015.01)**
[25] EN
[54] **BASEBALL BAT WITH PERFORMANCE LIMITING CORE**
[54] **BATON DE BASEBALL INTEGRANT UNE AME LIMITANT LA PERFORMANCE**
[72] LANYON, KEVIN J., CA
[73] ANARCHY BAT COMPANY INC., CA
[86] (2969964)
[87] (2969964)
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[30] US (62/348,341) 2016-06-10

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[51] **Int.Cl. F02C 7/00 (2006.01) F01D 25/28 (2006.01) F16B 37/04 (2006.01)**
[25] FR
[54] **SYSTEM FOR REPAIRING A FASTENER EQUIPPING A REACTOR WALL**
[54] **SYSTEME DE REPARATION D'UNE ATTACHE EQUIPANT UNE PAROI DE REACTEUR**
[72] SARAZIN, YANN CHRISTOPHE MAURICE, FR
[72] CHARBONNIER, SIMON PIERRE CLAUDE, FR
[72] REGHEZZA, PATRICK JEAN-LOUIS, FR
[72] ROSET, JULIEN, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-06-07
[86] 2015-12-14 (PCT/FR2015/053463)
[87] (WO2016/097552)
[30] FR (14 62434) 2014-12-15

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[51] **Int.Cl. C07H 15/256 (2006.01) A23L 27/30 (2016.01) C07H 15/24 (2006.01) C12N 1/19 (2006.01) C12N 15/00 (2006.01) C12N 15/52 (2006.01) C12P 19/56 (2006.01)**
[25] EN
[54] **STEVIOL GLYCOSIDE COMPOUNDS, COMPOSITIONS FOR ORAL INGESTION OR USE, AND METHOD FOR ENHANCING STEVIOL GLYCOSIDE SOLUBILITY**
[54] **COMPOSES DE GLYCOSIDE DE STEVIOL, COMPOSITIONS POUR L'INGESTION PAR VOIE ORALE OU UTILISATION, ET PROCEDE PERMETTANT D'AMELIORER LA SOLUBILITE DU GLYCOSIDE DE STEVIOL**
[72] CARLSON, TING LIU, US
[72] GASPARD, DAN, US
[73] CARGILL, INCORPORATED, US
[85] 2017-06-13
[86] 2015-12-17 (PCT/US2015/066419)
[87] (WO2016/100689)
[30] US (62/093,213) 2014-12-17

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[51] **Int.Cl. A23C 21/08 (2006.01) A23L 33/00 (2016.01) A23L 33/17 (2016.01) A61K 9/00 (2006.01)**
[25] EN
[54] **PRODUCT COMPRISING A CONTAINER AND WHEY PROTEIN**
[54] **PRODUIT COMPRENANT UN RECIPIENT, ET PROTEINE LACTOSERIQUE**
[72] VALENTINI, CELINE, FR
[72] BA, JEAN-FRANCOIS, FR
[73] COMPAGNIE GERVAIS DANONE, FR
[85] 2017-06-21
[86] 2015-12-28 (PCT/EP2015/081309)
[87] (WO2016/102712)
[30] IB (PCT/IB2014/003124) 2014-12-26
[30] IB (PCT/IB2014/003125) 2014-12-26
[30] IB (PCT/IB2014/003126) 2014-12-26

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[51] **Int.Cl. B29C 70/34 (2006.01)**
[25] EN
[54] **METHOD OF LOCALLY INFLUENCING RESIN PERMEABILITY OF A DRY PREFORM**
[54] **METHODE PERMETTANT D'INFLUENCER LOCALEMENT LA PERMEABILITE DE LA RESINE D'UNE PREFORME SECHE**
[72] MEURE, SAM, US
[72] SZARSKI, MARTIN, US
[73] THE BOEING COMPANY, US
[86] (2972956)
[87] (2972956)
[22] 2017-07-11
[30] AU (2016222310) 2016-08-29

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[25] EN
[54] **DEVICES FOR ESTIMATING REGIONAL METABOLIC RATE OF ORGANS BASED ON HEAT GENERATION AND FOR ESTIMATING REGIONAL BLOOD FLOW(S) FOR THE VOLUME(S) OF TISSUE PERFUSED**
[54] **DISPOSITIFS POUR ESTIMER LE TAUX METABOLIQUE REGIONAL D'ORGANES D'APRES LA PRODUCTION DE CHALEUR ET POUR ESTIMER UN OU DES DEBITS SANGUINS REGIONAUX POUR LE OU LES VOLUMES DE TISS U PERFUSE**
[72] PILE-SPELLMAN, JOHN, US
[72] CHOI, JAE H., US
[72] LIN, ERWIN, US
[73] HYBERNIA MEDICAL LLC, US
[85] 2017-07-06
[86] 2016-01-15 (PCT/US2016/013527)
[87] (WO2016/115418)
[30] US (62/103,868) 2015-01-15

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[13] C
[51] **Int.Cl. B65H 43/00 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING USAGE AND AUTHENTICATION OF A PAPER PRODUCT IN A DISPENSER**
[54] **PROCEDE ET SYSTEME DE DETERMINATION D'UTILISATION ET D'AUTHENTIFICATION D'UN PRODUIT DE PAPIER DANS UN DISTRIBUTEUR**
[72] BECKER, STEPHEN, US
[72] DUNBAR, CHARLENE, US
[72] KIRKLAND, JASON, US
[72] MOEDE, WARREN, US
[72] SCHULZ, TOM, US
[72] SHEEHAN, CHRISSY, US
[72] SHIPP, PETER W. JR., US
[72] ZIELINSKI, MATT, US
[72] TRAMONTINA, PAUL F., US
[73] KIMBERLY-CLARK WORLDWIDE, INC., US
[85] 2017-07-12
[86] 2015-01-30 (PCT/US2015/013868)
[87] (WO2016/122624)

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[13] C
[51] **Int.Cl. G06K 19/073 (2006.01)**
[25] EN
[54] **SMART CHIP CARD WITH FRAUD ALERT AND BIOMETRIC RESET**
[54] **CARTE A PUCE INTELLIGENTE EQUIPEE D'ALERTE DE FRAUDE ET DE REINITIALISATION BIOMETRIQUE**
[72] DUNJIC, MILOS, CA
[72] HALDENBY, PERRY AARON JONES, CA
[72] CHOW, ARTHUR CARROLL, CA
[72] PATEL, HET ANAND, CA
[72] DOYLE, CASEY LYN, CA
[72] LIU, YUBING, CA
[72] NGUYEN, ANTHONY HAITUYEN, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2973709)
[87] (2973709)
[22] 2017-07-18
[30] US (15/650,180) 2017-07-14
[30] US (15/650,452) 2017-07-14

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[51] **Int.Cl. H04L 45/00 (2022.01) H04L 41/0654 (2022.01) H04L 43/08 (2022.01) H04L 43/106 (2022.01) H04L 45/02 (2022.01) H04L 45/42 (2022.01) H04L 45/44 (2022.01) H04L 45/586 (2022.01) H04L 45/74 (2022.01) H04L 49/25 (2022.01) H04L 49/354 (2022.01) H04L 67/1001 (2022.01) H04L 45/28 (2022.01)**
[25] EN
[54] **LOGICAL ROUTER WITH MULTIPLE ROUTING COMPONENTS**
[54] **ROUTEUR LOGIQUE COMPRENANT DE MULTIPLES COMPOSANTS DE ROUTAGE**
[72] ZHANG, RONGHUA, US
[72] CHANDRASHEKHAR, GANESAN, US
[72] RAVINOOTHALA, SREERAM, US
[72] FAN, KAI-WEI, US
[73] NICIRA, INC., US
[85] 2017-07-20
[86] 2016-01-29 (PCT/US2016/015778)
[87] (WO2016/123550)
[30] US (62/110,061) 2015-01-30
[30] US (14/814,469) 2015-07-30
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[51] **Int.Cl. B24B 37/20 (2012.01) B24B 21/00 (2006.01) B24B 29/00 (2006.01) B24B 41/00 (2006.01)**
[25] EN
[54] **A POLISHING PAD AND MATERIAL AND MANUFACTURING METHOD FOR SUCH**
[54] **TAMPON DE POLISSAGE ET MATERIAU ET PROCEDE DE FABRICATION ASSOCIE**
[72] HEDE, HANS, FI
[72] HOGLUND, GORAN, FI
[73] KWH MIRKA LTD, FI
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[86] 2015-01-28 (PCT/FI2015/050056)
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[51] **Int.Cl. B60L 15/20 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR ELECTRIC MOTOR VEHICLE AND CONTROL METHOD FOR ELECTRIC MOTOR VEHICLE**
[54] **DISPOSITIF DE COMMANDE DE VEHICULE ELECTRIQUE ET PROCEDE DE COMMANDE DE VEHICULE ELECTRIQUE**
[72] SAWADA, AKIRA, JP
[72] ITO, KEN, JP
[72] NAKAJIMA, TAKASHI, JP
[72] KATSUMATA, YUJI, JP
[72] KOMATSU, HIROYUKI, JP
[73] NISSAN MOTOR CO., LTD., JP
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[54] **GRANULAT DE VERRE MOUSSE ET SON PROCEDE DE FABRICATION**
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[73] DENNERT PORAVER GMBH, DE
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[54] **PROTECTEUR DE MANCHE DESTINE A UN SYSTEME DE COUTEAU DE FAUCILLE**
[72] TALBOT, FRANCOIS R., CA
[73] MACDON INDUSTRIES LTD., CA
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[54] **METHODE ET DISPOSITIF DE DETECTION DE METAL ENFOUI AU MOYEN D'UNE METHODE DE DETECTION SYNCHRONE**
[72] TSUNASAKI, MASARU, JP
[72] KUBOTA, KENSHI, JP
[73] FUJI TECOM INC., JP
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[54] **FONCTIONNEMENT AUTOMATISE D'UN EQUIPEMENT DE SITE DE FORAGE**
[72] URDANETA, CARLOS, US
[73] SCHLUMBERGER CANADA LIMITED, CA
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[54] **BIOSENSOR SYSTEM FOR THE RAPID DETECTION OF ANALYTES**
[54] **SYSTEME DE BIOCAPTEUR POUR LA DETECTION RAPIDE D'ANALYTES**
[72] ZUPANCIC, THOMAS J., US
[72] ZENG, LINGCHUN, US
[72] VEDAMOORTHY, SRIKANTH, US
[72] LWANDE, JOEL S., US
[72] KITTLE, JOSEPH D., US
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[54] **CONTROL APPARATUS AND CONTROL METHOD**
[54] **REGULATEUR ET PROCEDE DE REGULATION**
[72] SHOUJI, MITSUHIRO, JP
[72] KAWAMURA, HIROMICHI, JP
[73] NISSAN MOTOR CO., LTD., JP
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[25] EN
[54] **POST-PROCESSOR, PRE-PROCESSOR, AUDIO ENCODER, AUDIO DECODER AND RELATED METHODS FOR ENHANCING TRANSIENT PROCESSING**
[54] **POSTPROCESSEUR, PREPROCESSEUR, CODEUR AUDIO, DECODEUR AUDIO ET PROCEDES CORRESPONDANTS POUR AMELIORER LE TRAITEMENT DE TRANSITOIRE**
[72] GHIDO, FLORIN, DE
[72] DISCH, SASCHA, DE
[72] HERRE, JUERGEN, DE
[72] ADAMI, ALEXANDER, DE
[72] REUTELHUBER, FRANZ, DE
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[54] **METHOD TO PRODUCE A STRENGTHENED LITHIUM SILICATE GLASS CERAMIC DENTAL STRUCTURE**
[54] **PROCEDE DE PRODUCTION D'UNE STRUCTURE DENTAIRE EN VITROCERAMIQUE A BASE DE SILICATE DE LITHIUM RENFORCE**
[72] VOLLMANN, MARKUS, DE
[72] SCHUSSER, UDO, DE
[73] DENTSPLY SIRONA INC., US
[73] DEGUDENT GMBH, DE
[85] 2017-11-06
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[54] **COMPOSITIONS DE GLYCOSIDE**
[72] CARLSON, TING, US
[72] MORTENSON, MICHAEL, US
[72] SMITH, SEAN, US
[73] CARGILL, INCORPORATED, US
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[54] **COMBINATION COMPRISING PALMITOYLETHANOLAMIDE (PEA) AND LYCOPENE FOR USE IN THE TREATMENT OF INFLAMMATORY DISEASES**
[54] **COMBINAISON COMPRENANT DU PALMITOYLETHANOLAMIDE (PEA) ET DU E LYCOPENE POUR UTILISATION DANS LE TRAITEMENT DE MALADIES INFLAMMATOIRES**
[72] MIGLIACCIO, RAFFAELE, IT
[72] SARDEI, ANTONELLA, IT
[72] MIGLIACCIO, CARMELA, IT
[73] ALI RESEARCH SRLS, IT
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[54] **HEAT TREATMENT TO PRODUCE GLYCOSIDES**
[54] **TRAITEMENT THERMIQUE POUR PRODUIRE DES GLYCOSIDES**
[72] ANDERSON, JAMES C., US
[72] BROWER, ROBERT J., III., US
[72] CARLSON, TING LIU, US
[72] FLORES, BELIT, US
[72] GASPARD, DAN S., US
[72] MORTENSON, KRISTOPHER T., US
[72] NYGAARD, RICHARD, US
[72] PAULSON, NICOLE, US
[72] RASMUSSEN, MARIBETH, US
[73] CARGILL, INCORPORATED, US
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[54] **PROCESSES FOR PRODUCING CYCLOALKYLCARBOXAMIDO-PYRIDINE BENZOIC ACIDS**
[54] **PROCEDES DE FABRICATION D'ACIDES CYCLOALKYLCARBOXAMIDO-PYRIDINE BENZOIQUES**
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[73] VERTEX PHARMACEUTICALS INCORPORATED, US
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[54] **METHOD FOR POLYOL SYNTHESIS FROM TRIACYLGLYCERIDE OILS**
[54] **PROCEDE DE SYNTHESE DE POLYOLS A PARTIR D'HUILES A TRIACYLGLYCERIDES**
[72] CURTIS, JONATHAN M., CA
[72] OMONOV, TOLIBJON S., CA
[72] KHARRAZ, EREDDAD, CA
[72] KONG, XIAOHUA, CA
[72] TAVASSOLI-KAFRANI, M. HOSSEIN, CA
[73] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
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[54] **VENTILATEUR CENTRIFUGE ET DISPOSITIF DE CHAUFFAGE LE COMPRENANT**
[72] COOL, PETER JAN, NL
[73] INTERGAS HEATING ASSETS B.V., NL
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[54] **ISOLATED ORGAN EVALUATION AND TREATMENT**
[54] **EVALUATION ET TRAITEMENT D'UN ORGANE ISOLE**
[72] NILSSON, MAGNUS, SE
[72] SIGVARDSSON, ANNE-LI, SE
[73] XVIVO PERFUSION AB, SE
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[54] **METHOD AND APPARATUS FOR TRANSPORTING AND STEERING A HEAVY LOAD**
[54] **PROCEDE ET APPAREIL POUR LE TRANSPORT ET LA DIRECTION D'UNE CHARGE LOURDE**
[72] CSERGEI, STEVEN ANDREW, US
[72] CRISP, IRA JAMES, US
[73] COLUMBIA TRAILER CO., INC., US
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[54] **SOURCE SISMIQUE A DOUBLE RESONANCE**
[72] MOROZOV, ANDREY K., US
[72] WEBB, DOUGLAS C., US
[73] TELEDYNE INSTRUMENTS, INC., US
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[54] **MITIGATING DRIFT IN AUDIOVISUAL ASSETS**
[54] **ATTENUATION DE DERIVE DANS DES FICHIERS AUDIOVISUELS**
[72] CHAKROVORTHY, SREERAM, US
[72] TIWARY, SHINJAN, US
[72] SUTHERLAND, HAROLD, US
[72] PURI, ROHIT, US
[73] NETFLIX, INC., US
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[54] **PIEZO-ELECTRIC MOTOR FOR BOWED ROTOR MITIGATION**
[54] **MOTEUR PIEZOELECTRIQUE DESTINE A ATTENUER UN ROTOR COURBE**
[72] JACKOWSKI, JASON J., US
[72] KARNOFSKI, KENT E., US
[73] THE BOEING COMPANY, US
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[54] **LIT D'HOPITAL OSCILLANT DESTINE A PREVENIR L'ESCARRE DE DECUBITUS**
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[54] **WATER-INSOLUBLE ALPHA-(1,3->GLUCAN) COMPOSITION**
[54] **COMPOSITION D'ALPHA-(1,3->GLUCANE) INSOLUBLE DANS L'EAU**
[72] BEHABTU, NATNAEL, US
[72] LI, XIAOQING, US
[72] WOLFE, MICHAEL STEPHEN, US
[73] NUTRITION & BIOSCIENCES USA 4, INC., US
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[54] **APPAREIL DE COMMUTATION**
[72] ROTH, HERBERT, DE
[73] ELLENBERGER & POENSGEN GMBH, DE
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[54] **IMPLANT ORTHOPEDIQUE COMPORTANT UN MATERIAU POREUX LIE**
[72] STALCUP, GREGORY C., US
[72] NEBOSKY, PAUL S., US
[73] SMED-TA/TD, LLC, US
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[54] **COIL, AND MAGNETIC STIMULATION DEVICE USING THE COIL**
[54] **BOBINE ET DISPOSITIF DE STIMULATION MAGNETIQUE EMPLOYANT LA BOBINE**
[72] SEKINO, MASAKI, JP
[72] YAMAMOTO, KEITA, JP
[72] KAWASAKI, YUTA, JP
[73] THE UNIVERSITY OF TOKYO, JP
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[25] EN
[54] **DENDRIMER COMPOSITIONS AND USE IN TREATMENT OF NECROTIZING ENTEROCOLITIS AND OTHER GASTROINTESTINAL DISORDERS**
[54] **COMPOSITIONS ET UTILISATION DE DENDRIMERES DANS LE TRAITEMENT DE L'ENTEROCOLITE NECROSANTE ET AUTRES TROUBLES GASTRO-INTESTINAUX**
[72] HACKAM, DAVID, US
[72] KANNAN, SUJATHA, US
[72] RANGARAMANUJAM, KANNAN, US
[72] NINO, DIEGO F., US
[72] ZHANG, FAN, US
[73] THE JOHNS HOPKINS UNIVERSITY, US
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[54] **PORTABLE FLUID WARMING DEVICE**
[54] **DISPOSITIF DE CHAUFFAGE DE FLUIDE PORTATIF**
[72] BUCKALTER, AMY CAROL, US
[72] IVERSON, DAVID OSCAR, US
[72] NENNINGER, GARET GLENN, US
[72] NORTH, ROLAND DAVID, US
[73] TOASTER LABS, INC., US
[85] 2018-04-30
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[30] US (14/878,984) 2015-10-08

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[54] **MULTIPHASE SEPARATOR AND METHODS OF USE THEREOF FOR PRODUCING HYDROCARBONS FROM OXYGENATES AND OLEFINS**
[54] **SEPARATEUR MULTIPHASE ET LEURS PROCEDES D'UTILISATION POUR LA PRODUCTION D'HYDROCARBURES A PARTIR DE COMPOSES OXYGENES ET D'OLEFINES**
[72] BEHKISH, ARSAM, US
[72] RATERMAN, MICHAEL FRANCIS, US
[72] KARRI, SURYA BHASKARA REDDY, US
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
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[54] **MEDIA GENERATING AND EDITING SYSTEM**
[54] **SYSTEME D'EDITION ET DE GENERATION DE MEDIA**
[72] KOFMAN, JEFFREY, GB
[72] BOAS, MARK, IT
[72] PANAGHISTON, MARK, GB
[72] GRIDINOC, LAURIAN, GB
[73] TRINT LIMITED, GB
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[54] **SPINAL TRAINING SIMULATOR**
[54] **SIMULATEUR D'ENTRAINEMENT DE LA COLONNE VERTEBRALE**
[72] WU, TIM, CA
[72] KERINS, FERGAL, CA
[73] SYNAPTIVE MEDICAL INC., CA
[86] (3005123)
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[54] **CLOSED-LOOP GLUCOSE AND/OR INSULIN CONTROL SYSTEM**
[54] **SYSTEME DE REGULATION DE GLUCOSE ET/OU D'INSULINE EN BOUCLE FERMEE**
[72] CANTWELL,MARTIN, US
[72] CLARK, BUD H., US
[72] STEIL, GARRY M., US
[73] MEDTRONIC MINIMED, INC., US
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[54] **ANIMAL ENVIRONMENTAL AND PHYSIOLOGICAL MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE ENVIRONNEMENTALE ET PHYSIOLOGIQUE D'ANIMAUX**
[72] RETTEDAL, NICHOLAS P., US
[72] WEILNAU, STEPHEN M., US
[72] COCKROFT, SCOTT R., US
[72] JANUS, JOSEPH, IV, US
[73] ST REPRODUCTIVE TECHNOLOGIES, LLC, US
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[25] FR
[54] **METHOD FOR LYOPHILISATION OF A SAMPLE OF FECAL MICROBIOTA**
[54] **PROCEDE DE LYOPHILISATION D'UN ECHANTILLON DE MICROBIOTE FECAL**
[72] AFFAGARD, HERVE, FR
[72] SCHWINTNER, CAROLE, FR
[72] JUSTE, CATHERINE, FR
[72] DORE, JOEL, FR
[72] CHAPRON, AUDREY, FR
[72] FONSECA, FERNANDA, FR
[72] DAVID, OLIVIER, FR
[73] MAAT PHARMA, FR
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[73] UNIST(ULSAN NATIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY), KR
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[54] **A GANTRY FOR PARTICLE THERAPY AS AN ARM ROTATING IN THE LONGITUDINAL PLANE**
[54] **PORTIQUE POUR THERAPIE PAR PARTICULES EN TANT QUE BRAS TOURNANT DANS LE PLAN LONGITUDINAL.**
[72] SCHIPPERS, JACOBUS MAARTEN, CH
[72] GERBERSHAGEN, ALEXANDER, CH
[73] PAUL SCHERRER INSTITUT, CH
[85] 2019-02-07
[86] 2017-06-20 (PCT/EP2017/065100)
[87] (WO2018/028863)
[30] EP (16183296.9) 2016-08-09

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[13] C
[51] **Int.Cl. G05B 19/04 (2006.01)**
[25] EN
[54] **POWER CONSUMPTION MANAGEMENT METHOD FOR ELECTRIC DEVICES, MANAGER AND MANAGEMENT SYSTEM**
[54] **METHODE DE GESTION DE LA CONSOMMATION ENERGETIQUE DES DISPOSITIFS ELECTRIQUES, GESTIONNAIRE ET SYSTEME DE GESTION**
[72] FENG, ZHONGHANG, CN
[72] WANG, LINGJUN, CN
[72] LUO, XIAO, CN
[72] SHAO, SHIZHUO, CN
[72] ZHANG, ZHIWEI, CN
[73] GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI, CN
[85] 2019-02-22
[86] 2017-04-18 (PCT/CN2017/080867)
[87] (WO2018/072412)
[30] CN (201610917629.1) 2016-10-21

[11] **3,035,291**
[13] C
[51] **Int.Cl. C12N 7/00 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **OPTIMIZED METHOD FOR LARGE SCALE PRODUCTION OF PARVOVIRUS H-1 IN AN ESSENTIALLY SERUM-FREE MEDIUM**
[54] **PROCEDE OPTIMISE POUR LA PRODUCTION A GRANDE ECHELLE DE PARVOVIRUS H-1 DANS UN MILIEU ESSENTIELLEMENT EXEMPT DE SERUM**
[72] LEUCHS, BARBARA, DE
[72] ROMMELAERE, JEAN, DE
[72] LUTZ, SEBASTIAN, DE
[72] VOGEL, MARTIN, DE
[73] DEUTSCHES KREBSFORSCHUNGSZENTRUM, DE
[85] 2019-02-27
[86] 2017-09-12 (PCT/EP2017/072872)
[87] (WO2018/054720)
[30] EP (16189921.6) 2016-09-21

[11] **3,035,390**
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[25] EN
[54] **TABLETED CHEWING GUM WITH ENHANCED DELIVERY OF CANNABINOIDS**
[54] **GOMME A MACHER EN TABLETTE AVEC ADMINISTRATION AMELIOREE DE CANNABIN OIDES**
[72] BRUUN, HEIDI ZIEGLER, DK
[72] BOESEN, DORTHE SCHACKINGER, DK
[72] ERIKSEN, ANE, DK
[73] NORDICCAN A/S, DK
[86] (3035390)
[87] (3035390)
[22] 2019-03-01

[11] **3,035,857**
[13] C
[51] **Int.Cl. G01S 5/00 (2006.01) H04W 64/00 (2009.01) H04B 17/318 (2015.01) G01S 5/14 (2006.01)**
[25] EN
[54] **MORE ACCURATE ASSET TAG LOCATING OF RADIO FREQUENCY DEVICES**
[54] **LOCALISATION DE BALISE D'ACTIF PLUS PRECISE DE DISPOSITIFS A RADIOFREQUENCES**
[72] LI, XIANGRONG, US
[72] ABOU-RIZK, MITRI J., US
[73] ABL IP HOLDING LLC, US
[86] (3035857)
[87] (3035857)
[22] 2019-03-06
[30] US (15/916,893) 2018-03-09

[11] **3,036,468**
[13] C
[51] **Int.Cl. G02F 1/025 (2006.01) G02F 1/017 (2006.01)**
[25] EN
[54] **SEMICONDUCTOR OPTICAL MODULATION ELEMENT**
[54] **ELEMENT SEMI-CONDUCTEUR DE MODULATION OPTIQUE**
[72] OGISO, YOSHIHIRO, JP
[72] MAWATARI, HIROYASU, JP
[72] KIKUCHI, NOBUHIRO, JP
[73] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
[85] 2019-03-11
[86] 2017-09-13 (PCT/JP2017/033014)
[87] (WO2018/052013)
[30] JP (2016-178905) 2016-09-13

[11] **3,036,814**
[13] C
[51] **Int.Cl. G09G 3/36 (2006.01) G09G 3/3266 (2016.01) G09G 3/3275 (2016.01) G09G 3/20 (2006.01)**
[25] EN
[54] **FAULT-TOLERANT LCD DISPLAY**
[54] **AFFICHAGE A CRISTAUX LIQUIDES INSENSIBLE AUX DEFAILLANCES**
[72] ABERNATHY, MICHAEL G., US
[73] L-3 COMMUNICATIONS CORPORATION, US
[85] 2019-03-13
[86] 2017-09-13 (PCT/US2017/051363)
[87] (WO2018/053000)
[30] US (15/266,556) 2016-09-15

[11] **3,037,273**
[13] C
[51] **Int.Cl. A61K 31/58 (2006.01) A61K 9/20 (2006.01) A61K 31/569 (2006.01) A61K 31/573 (2006.01) A61P 1/00 (2006.01) A61P 1/04 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **ORALLY ADMINISTERED CORTICOSTEROID COMPOSITIONS**
[54] **COMPOSITIONS DE CORTICOSTEROIDES ADMINISTREES PAR VOIE ORALE**
[72] COHEN, FREDRIC JAY, US
[72] PERRETT, STEPHEN, US
[72] VENKATESH, GOPI M., US
[73] ADARE PHARMACEUTICALS, INC., US
[86] (3037273)
[87] (3037273)
[22] 2010-09-30
[62] 2,940,931
[30] US (61/247,642) 2009-10-01

[11] **3,037,390**
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[51] **Int.Cl. B65D 5/32 (2006.01) A47C 31/10 (2006.01) A47G 9/02 (2006.01) B65D 5/66 (2006.01)**
[25] EN
[54] **BED LINEN PACKAGING**
[54] **EMBALLAGE DE LINGE DE LIT**
[72] MOON, SHAWN DAVID, US
[72] GOODWIN, JENNIFER JO, US
[73] PURPLE INNOVATION, LLC, US
[85] 2019-03-18
[86] 2017-10-18 (PCT/US2017/057210)
[87] (WO2018/080871)
[30] US (15/334,093) 2016-10-25

[11] **3,037,604**
[13] C
[51] **Int.Cl. B62D 35/00 (2006.01)**
[25] EN
[54] **AERODYNAMIC TRAILER SYSTEM WITH DUAL STIFFNESS SKIRT**
[54] **SYSTEME DE REMORQUE AERODYNAMIQUE AVEC JUPE A DOUBLE RIGIDITE**
[72] BRADLEY, CALVIN RHETT, US
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2019-03-19
[86] 2017-11-14 (PCT/US2017/061537)
[87] (WO2018/097991)
[30] US (PCT/US2016/063262) 2016-11-22

[11] **3,038,411**
[13] C
[51] **Int.Cl. C02F 1/52 (2006.01) C02F 1/72 (2006.01) C09K 8/528 (2006.01) C09K 8/592 (2006.01) C22B 3/44 (2006.01) C22B 7/00 (2006.01) E21B 43/24 (2006.01) E21B 43/34 (2006.01)**
[25] EN
[54] **DECOMPLEXATION OF CHELATED HARDNESS AT HIGH PH**
[54] **DECOMPLEXATION DE DURETE CHELATEE A PH ELEVE**
[72] SLATER, PETER NELSON, US
[73] CONOCOPHILLIPS COMPANY, US
[86] (3038411)
[87] (3038411)
[22] 2019-03-29
[30] US (62/651,671) 2018-04-02

[11] **3,039,145**
[13] C
[51] **Int.Cl. B22D 41/34 (2006.01) B22D 11/10 (2006.01)**
[25] EN
[54] **PLATE, AND HOLDING APPARATUS AND HOLDING METHOD FOR THE PLATE**
[54] **PLAQUE, ET DISPOSITIF DE MAINTIEN DE PLAQUE ET PROCEDE DE MAINTIEN**
[72] IMAHASE, TOSHIHIRO, JP
[73] KROSAKIHARIMA CORPORATION, JP
[85] 2019-04-02
[86] 2017-10-16 (PCT/JP2017/037395)
[87] (WO2018/074424)
[30] JP (2016-206123) 2016-10-20

[11] **3,040,202**
[13] C
[51] **Int.Cl. C05F 17/90 (2020.01) C05F 17/971 (2020.01) B09B 3/35 (2022.01) C05F 9/02 (2006.01)**
[25] EN
[54] **COMPOSTING APPARATUS USABLE IN AN INDUSTRIAL SCALE AND PROCESS OF USE THEREOF**
[54] **APPAREIL DE COMPOSTAGE POUVANT ETRE UTILISE A L'ECHELLE INDUSTRIELLE ET SON PROCEDE D'UTILISATION**
[72] RUSSELL, ZISHIRI, CA
[73] ANACONDA SYSTEMS LIMITED, CA
[85] 2019-04-11
[86] 2017-10-12 (PCT/CA2017/000226)
[87] (WO2018/068127)
[30] US (62/407,349) 2016-10-12

[11] **3,040,658**
[13] C
[51] **Int.Cl. F04B 47/02 (2006.01) F04B 47/14 (2006.01)**
[25] EN
[54] **SLANT WELL PUMPING UNIT**
[54] **UNITE DE POMPAGE DE PUITS INCLINEE**
[72] YAKIMCHUK, DARIUS JOHN, CA
[72] LEMBCKE, JEFFREY JOHN, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (3040658)
[87] (3040658)
[22] 2019-04-18
[30] US (15/965,718) 2018-04-27

[11] **3,041,278**
[13] C
[51] **Int.Cl. A45D 19/00 (2006.01) A45D 24/22 (2006.01)**
[25] EN
[54] **HAIR COLORING APPLIANCE**
[54] **APPAREIL DE COLORATION CAPILLAIRE**
[72] GREZ, JOSEPH, US
[73] L'OREAL, FR
[85] 2019-04-18
[86] 2017-10-19 (PCT/US2017/057412)
[87] (WO2018/080892)
[30] US (15/339,531) 2016-10-31

[11] **3,042,580**
[13] C
[51] **Int.Cl. G10L 19/008 (2013.01) H04S 3/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR DOWNMIXING OR UPMIXING A MULTICHANNEL SIGNAL USING PHASE COMPENSATION**
[54] **APPAREIL ET PROCEDE DE SOUS-MIXAGE OU DE MIXAGE ELEVATEUR D'UN SIGNAL MULTIPLEX A L'AIDE D'UNE COMPENSATION DE PHASE**
[72] BUETHE, JAN, DE
[72] FUCHS, GUILLAUME, DE
[72] JAEGERS, WOLFGANG, DE
[72] REUTELHUBER, FRANZ, DE
[72] HERRE, JUERGEN, DE
[72] FOTOPOULOU, ELENI, DE
[72] MULTRUS, MARKUS, DE
[72] KORSE, SRIKANTH, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2019-05-02
[86] 2017-10-30 (PCT/EP2017/077824)
[87] (WO2018/086948)
[30] EP (16197816.8) 2016-11-08

[11] **3,043,332**
[13] C
[51] **Int.Cl. E21B 47/00 (2012.01) G01V 3/28 (2006.01) G01V 3/36 (2006.01)**
[25] EN
[54] **SINGLE LAYER ANTENNA PATH PROFILE**
[54] **PROFIL DE TRAJET D'ANTENNE MONOCOUCHE**
[72] HENSARLING, JESSE K., US
[72] MOHON, BRIAN, US
[72] KOROVIN, ALEXEI, US
[72] VEHRA, IMRAN SHARIF, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-05-08
[86] 2017-11-07 (PCT/US2017/060436)
[87] (WO2018/118255)
[30] US (62/437,741) 2016-12-22

[11] **3,044,064**
[13] C
[51] **Int.Cl. C11D 3/00 (2006.01) C11D 3/22 (2006.01) C11D 3/382 (2006.01) C11D 3/50 (2006.01)**
[25] EN
[54] **FABRIC SOFTENER COMPOSITION HAVING IMPROVED VISCOSITY STABILITY**
[54] **COMPOSITION D'ASSOUPLISSANT POUR TEXTILES AYANT UNE STABILITE DE VISCOSITE AMELIOREE**
[72] SAVEYN, PIETER JAN MARIA, BE
[72] FERNANDEZ PRIETO, SUSANA, BE
[72] VAES, DRIES, BE
[72] VAN HECKE, EVELYNE JOHANNA LUTGARDE, BE
[72] ORLANDINI, LAURA, CH
[72] SMETS, JOHAN, BE
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-05-15
[86] 2017-12-07 (PCT/US2017/065047)
[87] (WO2018/118445)
[30] EP (16206277.2) 2016-12-22

[11] **3,044,582**
[13] C
[51] **Int.Cl. A61K 39/39 (2006.01) C07K 14/02 (2006.01)**
[25] EN
[54] **VACCINE COMPOSITION COMPRISING HEPATITIS B VIRUS-LIKE PARTICLES AS ADJUVANT**
[54] **COMPOSITION DE VACCIN COMPRENANT DES PARTICULES DE TYPE VIRUS DE L'HEPATITE B UTILISEES COMME ADJUVANT**
[72] HUANG, LIMIN, CN
[72] HUANG, JENMIN, CN
[73] NATIONAL TAIWAN UNIVERSITY, CN
[85] 2019-05-22
[86] 2017-11-22 (PCT/CN2017/112350)
[87] (WO2018/095327)
[30] US (62/425,079) 2016-11-22

[11] **3,044,768**
[13] C
[51] **Int.Cl. C09D 11/106 (2014.01) C09D 11/033 (2014.01) C09D 11/104 (2014.01) B41F 7/02 (2006.01)**
[25] EN
[54] **WATERBORNE CLEAR INK COMPOSITIONS**
[54] **COMPOSITIONS AEROSOL D'ENCRE CLAIRE**
[72] CHOPRA, NAVEEN, CA
[72] CLARIDGE, ROBERT CHRISTOPHER, CA
[72] ABRAHAM, BIBY ESTHER, CA
[72] MOORLAG, CAROLYN, CA
[72] SACRIPANTE, GUERINO G., CA
[73] XEROX CORPORATION, US
[86] (3044768)
[87] (3044768)
[22] 2019-05-30
[30] US (15/997753) 2018-06-05

[11] **3,044,907**
[13] C
[51] **Int.Cl. G06Q 40/02 (2012.01)**
[25] EN
[54] **BLOCKCHAIN-BASED SYSTEM AND METHOD FOR CONCEALING SENDER AND RECEIVER IDENTITIES**
[54] **SYSTEME ET PROCEDE A BASE DE CHAINE DE BLOCS POUR DISSIMULER LES IDENTITES DES EXPEDITEURS ET DES RECEPTEURS**
[72] ZHANG, WENBIN, CN
[72] LI, LICHUN, CN
[72] MA, BAOLI, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-05-24
[86] 2018-12-29 (PCT/CN2018/125749)
[87] (WO2019/072313)

[11] **3,045,085**
[13] C
[51] **Int.Cl. H02J 3/38 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING THE RESTORATION OF A NETWORK**
[54] **PROCEDE DE GESTION DU RETABLISSEMENT D'UN RESEAU**
[72] BROMBACH, JOHANNES, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2019-05-27
[86] 2017-12-05 (PCT/EP2017/081518)
[87] (WO2018/114324)
[30] DE (10 2016 124 840.1) 2016-12-19

[11] **3,045,563**
[13] C
[51] **Int.Cl. A61K 39/04 (2006.01) A61K 39/02 (2006.01) A61K 39/12 (2006.01)**
[25] EN
[54] **COMBINATION VACCINE FOR SWINE**
[54] **VACCIN COMBINE POUR PORC**
[72] JANSEN, THEODORUS, NL
[72] WITVLIET, MAARTEN HENDRIK, NL
[73] INTERVET INTERNATIONAL B.V., NL
[85] 2019-05-30
[86] 2017-12-22 (PCT/EP2017/084376)
[87] (WO2018/115435)
[30] EP (16206789.6) 2016-12-23
[30] EP (17157828.9) 2017-02-24

[11] **3,045,975**
[13] C
[51] **Int.Cl. F17C 5/00 (2006.01) F17C 7/00 (2006.01) F17C 7/02 (2006.01) F17C 7/04 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CARBON DIOXIDE ENERGY STORAGE IN A POWER GENERATION SYSTEM**
[54] **PROCEDE ET SYSTEME DE STOCKAGE D'ENERGIE DE DIOXYDE DE CARBONE DANS UN SYSTEME DE PRODUCTION D'ENERGIE**
[72] SPIRY, IRINA PAVLOVNA, US
[72] STELLA, ALBERT SANTO, US
[72] MCDERMOTT, JOHN BRIAN, US
[72] SANBORN, STEPHEN, US
[73] BAKER HUGHES HOLDINGS LLC, US
[85] 2019-06-03
[86] 2017-08-29 (PCT/US2017/048992)
[87] (WO2018/101996)
[30] US (15/367,959) 2016-12-02

[11] **3,046,133**
[13] C
[51] **Int.Cl. H02G 1/00 (2006.01) H02G 15/08 (2006.01) H05B 3/00 (2006.01)**
[25] EN
[54] **CABLE HEATING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE CHAUFFAGE DE CABLE**
[72] GUIMOND, JOSH DEREK, CA
[73] 674540 NB INC., CA
[85] 2019-06-05
[86] 2017-12-06 (PCT/CA2017/051477)
[87] (WO2018/102923)
[30] US (62/431,097) 2016-12-07

[11] **3,047,596**
[13] C
[51] **Int.Cl. C22F 1/04 (2006.01) C21D 1/42 (2006.01) C21D 9/46 (2006.01) C22F 1/00 (2006.01)**
[25] EN
[54] **METHODS OF PREPARING ALUMINUM ALLOY PRODUCTS FOR BONDING**
[54] **PROCEDES DE PREPARATION DE PRODUITS EN ALLIAGE D'ALUMINIUM POUR LIAISON**
[72] EPP, JUNE M., US
[72] WYATT-MAIR, GAVIN F., US
[72] UNAL, ALI, US
[73] ARCONIC TECHNOLOGIES LLC, US
[85] 2019-06-18
[86] 2018-01-11 (PCT/US2018/013371)
[87] (WO2018/132604)
[30] US (62/445,153) 2017-01-11

[11] **3,048,682**
[13] C
[51] **Int.Cl. B60P 1/43 (2006.01) B60R 9/06 (2006.01)**
[25] EN
[54] **HITCH-MOUNTED CARRIER SYSTEM WITH RAMP**
[54] **SYSTEME DE TRANSPORT MONTE SUR ATTELAGE DOTE D'UNE RAMPE**
[72] KECK, THEODORE J., US
[73] KECK, THEODORE J., US
[85] 2019-06-26
[86] 2017-12-21 (PCT/US2017/067959)
[87] (WO2018/125756)
[30] US (15/391,503) 2016-12-27

[11] **3,048,782**
[13] C
[51] **Int.Cl. E21B 43/30 (2006.01) E21B 43/00 (2006.01) E21B 43/24 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **SHALE OIL IN-SITU LIGHTENING DEVELOPMENT METHOD, APPARATUS AND SYSTEM**
[54] **PROCEDE D`ELABORATION, APPAREIL ET SYSTEME D`EVIDEMENT D`HUILE DE SCHISTE SUR LE SITE**
[72] HOU, LIANHUA, CN
[72] ZOU, CAINENG, CN
[72] HU, SUYUN, CN
[72] FU, JINHUA, CN
[72] LIU, XIANYANG, CN
[72] LUO, XIA, CN
[72] WANG, JINGHONG, CN
[72] ZHANG, LIJUN, CN
[72] LIN, SENHU, CN
[72] YANG, ZHI, CN
[72] WU, SONGTAO, CN
[72] CUI, JINGWEI, CN
[73] PETROCHINA COMPANY LIMITED, CN
[86] (3048782)
[87] (3048782)
[22] 2019-07-08
[30] CN (201810763247.7) 2018-07-12

[11] **3,048,847**
[13] C
[51] **Int.Cl. C11D 7/30 (2006.01) C09K 3/30 (2006.01) C11D 7/50 (2006.01) C23G 5/028 (2006.01) C23G 5/032 (2006.01)**
[25] EN
[54] **NON-HAZARDOUS DETERGENT COMPOSITION AND AEROSOL COMPOSITION OF SAME**
[54] **COMPOSITION DE DETERGENT NON DANGEREUSE ET COMPOSITION EN AEROSOL CONNEXE**
[72] MIYAOKA, MASANOBU, JP
[72] MIYAOKA, YUUJI, JP
[73] KOBEGOSEI CO.,LTD., JP
[85] 2019-06-27
[86] 2017-12-14 (PCT/JP2017/044997)
[87] (WO2018/110679)
[30] JP (2016-243786) 2016-12-15

[11] **3,048,852**
[13] C
[51] **Int.Cl. H04Q 3/64 (2006.01)**
[25] EN
[54] **ROUTING CALLERS FROM A SET OF CALLERS IN AN OUT OF ORDER SEQUENCE**
[54] **ROUTAGE D'APPELANTS A PARTIR D'UN ENSEMBLE D'APPELANTS DANS LE DESORDRE**
[72] SPOTTISWOODE, S. JAMES P., US
[72] XIE, QIAOBING, US
[73] AFINITI, LTD., BM
[86] (3048852)
[87] (3048852)
[22] 2009-01-21
[62] 3,037,778
[30] US (12/021,251) 2008-01-28
[30] US (12/266,418) 2008-11-06
[30] US (12/331,181) 2008-12-09
[30] US (12/331,186) 2008-12-09
[30] US (12/331,195) 2008-12-09
[30] US (12/331,210) 2008-12-09
[30] US (12/355,602) 2009-01-16

[11] **3,049,168**
[13] C
[51] **Int.Cl. B01F 23/236 (2022.01) B01F 25/313 (2022.01) B01F 35/222 (2022.01) B01F 35/42 (2022.01) B01F 35/75 (2022.01) B01F 35/80 (2022.01) A23L 2/54 (2006.01) C12G 1/00 (2019.01)**
[25] EN
[54] **BEVERAGE POURING DEVICE, COMPRISING A CENTRAL AIR INJECTOR**
[54] **DISPOSITIF DE VERSAGE DE BOISSON, COMPRENANT UN INJECTEUR D'AIR A COEUR**
[72] NAIGEON, NICOLAS, FR
[72] KAMENOFF, NICOLAS, FR
[72] ROBERT, MATTHIEU, FR
[73] AVEINE, FR
[85] 2019-07-03
[86] 2017-02-16 (PCT/FR2017/000031)
[87] (WO2018/150103)

[11] **3,049,418**
[13] C
[51] **Int.Cl. C23C 22/66 (2006.01) C22C 21/06 (2006.01) C22C 21/10 (2006.01) C22C 21/16 (2006.01) C22C 21/18 (2006.01) C23C 22/78 (2006.01) C23C 22/83 (2006.01)**
[25] EN
[54] **METHODS OF PREPARING 7XXX ALUMINUM ALLOYS FOR ADHESIVE BONDING, AND PRODUCTS RELATING TO THE SAME**
[54] **PROCEDES DE PREPARATION D'ALLIAGES D'ALUMINIUM 7XXX POUR UNE LIAISON ADHESIVE ET PRODUITS ASSOCIES**
[72] UNAL, ALI, US
[72] EPP, JUNE M., US
[72] MARINELLI, JAMES M., US
[72] MENANNO, MARISSA, US
[73] ARCONIC TECHNOLOGIES LLC, US
[85] 2019-07-04
[86] 2017-12-29 (PCT/US2017/068949)
[87] (WO2018/136220)
[30] US (62/447,720) 2017-01-18

[11] **3,049,650**
[13] C
[51] **Int.Cl. H04W 4/14 (2009.01) H04W 8/02 (2009.01) H04W 40/00 (2009.01)**
[25] EN
[54] **SHORT MESSAGE SERVICE OVER NON-ACCESS STRATUM WITH HOME-ROUTED MODEL**
[54] **SERVICE DE MESSAGES COURTS SUR STRATE DE NON-ACCES A MODELE A ROUTAGE DOMESTIQUE**
[72] CHANDRAMOULI, DEVAKI, US
[72] WONG, CURT, US
[73] NOKIA TECHNOLOGIES OY, FI
[85] 2019-07-08
[86] 2018-01-10 (PCT/US2018/013147)
[87] (WO2018/132462)
[30] US (62/444,632) 2017-01-10

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[51] **Int.Cl. B62D 35/00 (2006.01)**
[25] EN
[54] **AERODYNAMIC SYSTEM WITH DUAL ZONE FAIRING FOR TRUCK**
[54] **SYSTEME AERODYNAMIQUE COMPORTANT UN CARENAGE DE CAMION A DEUX ZONES**
[72] BRADLEY, CALVIN RHETT, US
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2019-07-15
[86] 2017-02-03 (PCT/US2016/064200)
[87] (WO2018/143907)

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[51] **Int.Cl. E21B 47/002 (2012.01) G01N 21/954 (2006.01)**
[25] EN
[54] **INSPECTION ASSEMBLY VIEWPORT**
[54] **FENETRE D'AFFICHAGE D'UN ENSEMBLE D'INSPECTION**
[72] THURSBY, JONATHAN, GB
[72] PECK, SHAUN, GB
[72] RUDD, JONATHAN BRIAN, GB
[73] E.V. OFFSHORE LIMITED, GB
[85] 2019-07-17
[86] 2018-01-19 (PCT/GB2018/050163)
[87] (WO2018/134614)
[30] GB (1701010.9) 2017-01-20
[30] GB (1718634.7) 2017-11-10

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[51] **Int.Cl. C12N 1/21 (2006.01) C12N 9/00 (2006.01) C12N 15/52 (2006.01) C12N 15/53 (2006.01) C12N 15/54 (2006.01) C12N 15/60 (2006.01) C12N 15/63 (2006.01) C12P 1/04 (2006.01) C12P 7/18 (2006.01) C12P 7/24 (2006.01) C12P 7/42 (2006.01)**
[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
[73] LANZATECH NZ, INC., US
[86] (3051235)
[87] (3051235)
[22] 2016-10-13
[62] 3,001,596
[30] US (62/240,850) 2015-10-13

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[13] C
[51] **Int.Cl. G06N 20/00 (2019.01) G06F 16/903 (2019.01) G06F 16/953 (2019.01)**
[25] EN
[54] **MACHINE LEARNING (ML) BASED EXPANSION OF A DATA SET**
[54] **EXPANSION D`UN ENSEMBLE DE DONNEES BASEE SUR L`APPRENTISSAGE AUTOMATIQUE**
[72] KUMMAMURU, KRISHNA, IN
[72] V, ARJUN ATREYA, IN
[72] LAHIRI, BIBUDH, IN
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE
[86] (3051919)
[87] (3051919)
[22] 2019-08-13
[30] IN (201811037760) 2018-10-05
[30] US (16/204,780) 2018-11-29

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[13] C
[51] **Int.Cl. G06N 3/04 (2006.01)**
[25] EN
[54] **PROBABILITY-BASED GUIDER**
[54] **DISPOSITIF DE GUIDAGE BASE SUR LA PROBABILITE**
[72] JOHANSEN, ALEXANDER ROSENBERG, US
[72] MCCANN, BRYAN, US
[72] BRADBURY, JAMES, US
[72] SOCHER, RICHARD, US
[73] SALESFORCE.COM, INC., US
[85] 2019-07-30
[86] 2018-03-14 (PCT/US2018/022504)
[87] (WO2018/170175)
[30] US (62/471,934) 2017-03-15
[30] US (15/853,530) 2017-12-22

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[51] **Int.Cl. E21B 43/267 (2006.01) C09K 8/40 (2006.01) C09K 8/66 (2006.01) C09K 8/80 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **METHODS AND TREATMENT FLUIDS FOR MICROFRACTURE CREATION AND MICROPROPPANT DELIVERY IN SUBTERRANEAN FORMATIONS**
[54] **PROCEDES ET FLUIDES DE TRAITEMENT POUR LA CREATION DE MICRO-FRACTURES ET LA PENETRATION DE MICRO-AGENTS DE SOUTENEMENT DANS DES FORMATIONS SOUTERRAINES**
[72] XU, LIANG XIN, US
[72] HE, KAI, US
[72] LORD, PAUL DAVID, US
[72] NGUYEN, PHILIP, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-08-08
[86] 2017-04-04 (PCT/US2017/025978)
[87] (WO2018/186840)

[11] **3,053,460**
[13] C
[51] **Int.Cl. F41C 33/02 (2006.01) F41C 33/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A WEAPON DETECTOR**
[54] **SYSTEMES ET PROCEDES POUR UN DETECTEUR D'ARME**
[72] WAGNER, DANIEL JOSEPH, US
[72] SHEKARRI, NACHE D., US
[72] SOPER, WILLIAM JAMES, US
[72] HATCHER, JONATHAN R., US
[72] KRAFT, LUCAS, US
[72] PIQUETTE, BRIAN, US
[72] WILLIAMS, ZACHARY B., US
[72] COVEY, JASON, US
[72] WEBER, ELLIOT, US
[72] HAENSLY, JASON, US
[72] WILSON, JOHN W., US
[72] TERAJEWICZ, ANDREW G., US
[73] AXON ENTERPRISE, INC., US
[85] 2019-08-13
[86] 2017-12-14 (PCT/US2017/066394)
[87] (WO2018/151785)
[30] US (62/458,941) 2017-02-14

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[13] C
[51] **Int.Cl. A63C 5/048 (2006.01)**
[25] EN
[54] **SNOW SLIDING DEVICE**
[54] **DISPOSITIF DE GLISSE SUR NEIGE**
[72] YI, JI HA, KR
[73] YI, JI HA, KR
[85] 2019-08-15
[86] 2018-02-21 (PCT/KR2018/002095)
[87] (WO2018/155887)
[30] KR (10-2017-0023135) 2017-02-21

[11] **3,053,858**
[13] C
[51] **Int.Cl. H01L 31/054 (2014.01)**
[25] EN
[54] **SOLAR CELL**
[54] **CELLULE SOLAIRE**
[72] BRUGMAN, ADRIANUS, NL
[73] ASVB NT SOLAR ENERGY B.V., NL
[85] 2019-08-16
[86] 2018-02-02 (PCT/EP2018/052650)
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[30] EP (17158784.3) 2017-03-01

[11] **3,054,121**
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[51] **Int.Cl. F24F 13/02 (2006.01) B21C 37/16 (2006.01) E21F 1/04 (2006.01) E21F 1/06 (2006.01) F16L 9/17 (2006.01) F16L 25/10 (2006.01)**
[25] EN
[54] **SEMI-RIGID DUCT SYSTEM**
[54] **SYSTEME DE CONDUITE SEMI-RIGIDE**
[72] FISHER, THOMAS, CA
[72] SCHULTE, MICHAEL, CA
[72] YAUSIE, LEIGH, CA
[72] SOMANAH, DHANESH, CA
[72] RYCE, DERRICK, CA
[72] MELROSE-WYATT, JORDAN, CA
[73] ABC CANADA TECHNOLOGY GROUP LTD., CA
[86] (3054121)
[87] (3054121)
[22] 2019-09-05

[11] **3,054,160**
[13] C
[51] **Int.Cl. B62D 5/04 (2006.01) B62K 5/01 (2013.01) B62K 5/023 (2013.01) B60K 17/348 (2006.01) B62D 6/00 (2006.01) B62D 15/02 (2006.01) B62K 5/08 (2006.01) B62K 11/00 (2013.01) B62K 11/10 (2006.01)**
[25] EN
[54] **MOBILITY VEHICLE**
[54] **VEHICULE DE MOBILITE**
[72] DAVIES, ROBERT WILLIAM, US
[72] KUZMA, NICHOLAS E., US
[72] ANTONISHAK, STEPHEN, US
[72] MULHERN, JAMES P., US
[72] LETUKAS, ANTHONY, US
[73] PRIDE MOBILITY PRODUCTS CORPORATION, US
[85] 2019-08-20
[86] 2018-02-23 (PCT/US2018/019569)
[87] (WO2018/156990)
[30] US (62/463,622) 2017-02-25
[30] US (62/526,489) 2017-06-29

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[51] **Int.Cl. A01N 47/12 (2006.01) A01C 1/08 (2006.01) A01N 43/12 (2006.01) A01N 43/90 (2006.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR CONTROLLING PLANT DISEASES AND METHOD FOR CONTROLLING PLANT DISEASES APPLYING THE SAME**
[54] **COMPOSITION DE PREVENTION DE MALADIES DES PLANTES ET PROCEDE DE PREVENTION DE MALADIES DES PLANTES L'UTILISANT**
[72] HAGIWARA, HIROYUKI, JP
[72] ARAKI, NATSUKO, JP
[72] TSUDA, MIKIO, JP
[73] MITSUI CHEMICALS AGRO, INC., JP
[85] 2019-08-22
[86] 2018-02-27 (PCT/JP2018/007253)
[87] (WO2018/159609)
[30] JP (2017-036468) 2017-02-28

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[13] C
[51] **Int.Cl. C01B 21/32 (2006.01) A61M 16/00 (2006.01) A61M 16/10 (2006.01) A61M 16/12 (2006.01) A61M 16/20 (2006.01)**
[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
[73] THIRD POLE, INC., US
[85] 2019-08-23
[86] 2018-02-27 (PCT/US2018/020060)
[87] (WO2018/157175)
[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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[13] C
[51] **Int.Cl. E03C 1/04 (2006.01) B05B 1/12 (2006.01) B05B 1/16 (2006.01)**
[25] EN
[54] **FAUCET SPOUT HAVING AN EXPOSED WATERWAY AND A SUPPLEMENTAL DISCHARGE OUTLET**
[54] **BEC DE ROBINET AVEC TUYAU EXPOSE ET UNE BUSE DE DECHARGE SUPPLEMENTAIRE**
[72] ROSKO, MICHAEL SCOT, US
[72] EADS, THAD J., US
[73] DELTA FAUCET COMPANY, US
[86] (3054863)
[87] (3054863)
[22] 2019-09-10
[30] US (62/731,577) 2018-09-14

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[51] **Int.Cl. C08L 27/18 (2006.01) C08J 3/20 (2006.01) C08K 3/10 (2018.01) C08K 3/34 (2006.01) C08K 5/01 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD FOR PRODUCING COMPOSITION**
[54] **COMPOSITION ET PROCEDE DE PRODUCTION DE LA COMPOSITION**
[72] QU, CHENG, US
[72] MARTIN, ARTHUR, US
[73] DAIKIN AMERICA, INC., US
[73] DAIKIN INDUSTRIES, LTD., JP
[85] 2019-08-28
[86] 2018-05-18 (PCT/JP2018/019399)
[87] (WO2018/212351)
[30] US (62/508,551) 2017-05-19

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[13] C
[51] **Int.Cl. H04L 67/565 (2022.01) H04W 92/10 (2009.01) H04L 67/5651 (2022.01) H04L 9/32 (2006.01)**
[25] EN
[54] **TRANSMITTER FOR EMITTING SIGNALS AND RECEIVER FOR RECEIVING SIGNALS**
[54] **EMETTEUR DESTINE A EMETTRE DES SIGNAUX ET RECEPTEUR DESTINE A RECEVOIR DES SIGNAUX**
[72] KILIAN, GERD, DE
[72] BERNHARD, JOSEF, DE
[72] KNEISSL, JAKOB, DE
[72] WECHSLER, JOHANNES, DE
[72] SOLLER, DOMINIK, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2019-09-11
[86] 2018-03-13 (PCT/EP2018/056210)
[87] (WO2018/167046)
[30] DE (10 2017 204 181.1) 2017-03-14

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[13] C
[51] **Int.Cl. B24D 5/10 (2006.01) B24D 3/06 (2006.01)**
[25] EN
[54] **IMPROVED ABRADING WHEEL**
[54] **MEULE A RODER AMELIOREE**
[72] KJAERGAARD, KIM BLUHME, DK
[73] B & J ROCKET SALES AG, CH
[85] 2019-09-16
[86] 2017-03-31 (PCT/EP2017/057724)
[87] (WO2018/177541)

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[13] C
[51] **Int.Cl. E21B 47/00 (2012.01) G01V 3/26 (2006.01) G01V 3/38 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR EVALUATING A FORMATION USING PIXELATED SOLUTIONS OF FORMATION DATA**
[54] **SYSTEME ET PROCEDES D'EVALUATION DE FORMATION AU MOYEN DE SOLUTIONS PIXELISEES DE DONNEES DE FORMATION**
[72] SONG, RENCHENG, SG
[72] PAN, LI, SG
[72] WU, HSU-HSIANG, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-09-18
[86] 2017-05-08 (PCT/US2017/031607)
[87] (WO2018/208282)

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[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4155 (2006.01) A61K 31/437 (2006.01)**
[25] EN
[54] **PYRROLOPYRIDINE COMPOUND, METHOD FOR PREPARING THE SAME, AND USE THEREOF**
[54] **COMPOSE DE PYRROLOPYRIDINE, METHODE DE PREPARATION ET UTILISATIONON**
[72] KIM, BONG JIN, KR
[72] LEE, ILL YOUNG, KR
[72] KIM, JAE HAK, KR
[72] SHIN, HONG SUK, KR
[72] SON, JONG CHAN, KR
[72] LEE, CHONG-KYO, KR
[72] KIM, KYUNGJIN, KR
[72] KIM, UK-IL, KR
[72] NAM, HWA JUNG, KR
[73] ST PHARM CO., LTD., KR
[85] 2019-09-23
[86] 2017-03-24 (PCT/KR2017/003194)
[87] (WO2018/174320)

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[13] C
[51] **Int.Cl. B60R 5/00 (2006.01) B60R 7/00 (2006.01)**
[25] EN
[54] **TRAY FOR VEHICLE STORAGE SPACE AND MANUFACTURING METHOD OF TRAY FOR VEHICLE STORAGE SPACE**
[54] **PLATEAU POUR UN ESPACE DE STOCKAGE DE VEHICULE ET METHODE DE FABRICATION**
[72] INOUE, KOJI, JP
[72] KOBAYASHI, HISASHI, JP
[73] TAKEHIRO CO., LTD., JP
[86] (3057797)
[87] (3057797)
[22] 2019-10-07
[30] JP (2018-212306) 2018-11-12

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[13] C
[51] **Int.Cl. G01N 33/493 (2006.01)**
[25] EN
[54] **DIAGNOSTIC AGENT FOR CANCER CONTAINING NEMATODE MUTANT, AND METHOD FOR ASSESSING TACTIC BEHAVIOR USING SAID MUTANT**
[54] **AGENT DE DIAGNOSTIC POUR LE CANCER CONTENANT UN MUTANT DE NEMATODE, ET PROCEDE D'EVALUATION DU COMPORTEMENT MIGRATOIRE UTILISANT LEDIT MUTANT**
[72] HIROTSU, TAKAAKI, JP
[73] HIROTSU BIO SCIENCE INC., JP
[85] 2019-09-25
[86] 2018-03-30 (PCT/JP2018/013546)
[87] (WO2018/181869)
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[51] **Int.Cl. E05B 65/10 (2006.01) E05B 41/00 (2006.01) E05B 47/00 (2006.01) E05B 65/06 (2006.01)**
[25] EN
[54] **EXIT DEVICE SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DISPOSITIF DE SORTIE**
[72] PFUNDER, DAN, US
[72] LACY, YONG K., US
[72] ARLINGHAUS, PAUL R., US
[72] ALI, MOHAMMED M., IN
[72] CHANDRASEKHARA, SURESHA, IN
[72] MANI, VIJAYAKUMAR, IN
[72] LEHNER, JACK R., US
[72] PHILLIPS, MATTHEW A., US
[72] BALLARD, EVAN, US
[73] SCHLAGE LOCK COMPANY LLC, US
[85] 2019-09-25
[86] 2018-02-23 (PCT/US2018/019473)
[87] (WO2018/156929)
[30] US (62/463,346) 2017-02-24
[30] US (62/481,068) 2017-04-03
[30] US (62/565,563) 2017-09-29

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[25] EN
[54] **MAIZE HYBRID X95M201**
[54] **MAIS HYBRIDE X95M201**
[72] CHANDLER, MICHAEL ADAM, US
[72] SCHAEFER, CHRISTOPHER MICHAEL, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3058308)
[87] (3058308)
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[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X75M830**
[54] **MAIS HYBRIDE X75M830**
[72] COLEMAN, TRAVIS KORRY, US
[72] HENDRICKX, LEONARDUS JOHANNES MARIA, US
[72] MAHMOOD, TARIQ, CA
[72] MONTPETIT, JEAN-MARC, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3058318)
[87] (3058318)
[22] 2019-10-10

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[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X95M228**
[54] **MAIS HYBRIDE X95M228**
[72] ARBELBIDE, MARTIN, US
[72] SCHAEFER, CHRISTOPHER MICHAEL, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3058324)
[87] (3058324)
[22] 2019-10-10

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[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X05M984**
[54] **MAIS HYBRIDE X05M984**
[72] BRENNER, EVERTON ALEN, US
[72] CARLONE, MARIO ROSARIO, JR., US
[72] LEE, TRAVIS J., US
[72] WARDYN, BRANDON MICHAEL, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3058327)
[87] (3058327)
[22] 2019-10-10

[11] **3,058,379**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X85K002**
[54] **MAIS HYBRIDE X85K002**
[72] KING, STEVEN PAUL, US
[72] SCOTT, LORI KARYN, US
[72] WALCH, MATTHEW DAVID, US
[72] WILLIAM, HARINDRA MANILAL, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3058379)
[87] (3058379)
[22] 2019-10-10

[11] **3,058,411**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X85M507**
[54] **MAIS HYBRIDE X85M507**
[72] KING, STEVEN PAUL, US
[72] SCOTT, LORI KARYN, US
[72] WALCH, MATTHEW DAVID, US
[72] WILLIAM, HARINDRA MANILAL, CA
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3058411)
[87] (3058411)
[22] 2019-10-10

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[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X80M875**
[54] **MAIS HYBRIDE X80M875**
[72] GARCIA, GUSTAVO MARCELO, US
[72] KING, STEVEN PAUL, US
[72] MONTPETIT, JEAN-MARC, US
[72] SCOTT, LORI KARYN, US
[72] WALCH, MATTHEW DAVID, US
[72] WILLIAM, HARINDRA MANILAL, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3058417)
[87] (3058417)
[22] 2019-10-10

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[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X80M877**
[54] **MAIS HYBRIDE X80M877**
[72] COLEMAN, TRAVIS KORRY, US
[72] HENDRICKX, LEONARDUS JOHANNES MARIA, US
[72] MAHMOOD, TARIQ, CA
[72] SCOTT, LORI KARYN, US
[72] WILLIAM, HARINDRA MANILAL, CA
[72] WALCH, MATTHEW DAVID, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3058424)
[87] (3058424)
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[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X95M231**
[54] **MAIS HYBRIDE X95M231**
[72] FABRIZIUS, MARTIN A., US
[72] SCHAEFER, CHRISTOPHER MICHAEL, US
[72] ZHANG, JULIA XIULING, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3058428)
[87] (3058428)
[22] 2019-10-10

[11] **3,058,752**
[13] C
[51] **Int.Cl. E04G 17/00 (2006.01)**
[25] EN
[54] **CONNECTION ASSEMBLY FOR FORMWORK**
[54] **ENSEMBLE DE CONNECTEURS POUR COFFRAGE**
[72] JORGENSEN, DAVID L., US
[72] HENNING, MARK D., US
[73] PERI GMBH, DE
[86] (3058752)
[87] (3058752)
[22] 2019-10-15
[30] US (16/160,898) 2018-10-15

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[51] **Int.Cl. A46B 5/02 (2006.01) A46B 9/04 (2006.01)**
[25] EN
[54] **ORAL CARE IMPLEMENT AND METHOD FOR MANAFACTURING SUCH ORAL CARE IMPLEMENT**
[54] **INSTRUMENT DE SOINS BUCCAUX ET PROCEDE DE FABRICATION D'UN TEL INSTRUMENT DE SOINS BUCCAUX**
[72] TSCHOL, ARMIN, DE
[72] HEIL, BENEDIKT, DE
[72] SENTURK ANDERSSON, AYCAN, DE
[72] VENZKE, STEPHANIE, DE
[72] HUEBNER, MARLIS, DE
[73] THE GILLETTE COMPANY LLC, US
[85] 2019-10-02
[86] 2018-04-10 (PCT/US2018/026785)
[87] (WO2018/191196)
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[51] **Int.Cl. G01B 11/16 (2006.01)**
[25] EN
[54] **A SYSTEM FOR MEASURING DEFORMATIONS AND A METHOD FOR MEASURING DEFORMATIONS**
[54] **SYSTEME POUR MESURER DES DEFORMATIONS ET PROCEDE POUR MESURER LES DEFORMATIONS**
[72] MURAWSKA, MONIKA KAROLINA, PL
[73] INTELLIGENT CONSTRUCTION SAFETY SYSTEMS SP. Z O.O., PL
[86] (3058955)
[87] (3058955)
[22] 2019-10-16
[30] PL (P.430286) 2019-06-19

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[51] **Int.Cl. B60R 9/00 (2006.01) B60K 15/063 (2006.01)**
[25] EN
[54] **UTV FUEL TANK WITH STORAGE**
[54] **RESERVOIR DE CARBURANT DE VEHICULES UTILITAIRES TOUT-TERRAIN AVEC ESPACE DE RANGEMENT**
[72] ANDERSON, KLINT S., US
[73] SUPERTANKS, LLC, US
[86] (3059148)
[87] (3059148)
[22] 2019-10-18
[30] US (62748110) 2018-10-19

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[13] C
[51] **Int.Cl. B01D 53/04 (2006.01) B01D 53/047 (2006.01) B01J 20/18 (2006.01)**
[25] EN
[54] **MID-RANGE PURITY OXYGEN BY PRESSURE SWING ADSORPTION**
[54] **OXYGENE DE PURETE MOYENNE PAR ADSORPTION MODULEE EN PRESSION**
[72] STUCKERT, NICHOLAS R., US
[72] LUO, YANG, US
[73] PRAXAIR TECHNOLOGY, INC., US
[85] 2019-10-07
[86] 2018-04-10 (PCT/US2018/026794)
[87] (WO2018/191203)
[30] US (62/484,149) 2017-04-11
[30] US (15/948,153) 2018-04-09

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[51] **Int.Cl. C07C 5/32 (2006.01) B01J 29/44 (2006.01) B01J 29/90 (2006.01) B01J 37/00 (2006.01) C07C 13/15 (2006.01)**
[25] EN
[54] **PROCESSES AND SYSTEMS FOR THE CONVERSION OF ACYCLIC HYDROCARBONS**
[54] **PROCEDES ET SYSTEMES POUR LA CONVERSION D'HYDROCARBURES ACYCLIQUES**
[72] SANGAR, NEERAJ, US
[72] IACCINO, LARRY L., US
[72] BECKER, CHRISTOPHER L., US
[73] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2019-10-09
[86] 2018-02-09 (PCT/US2018/017562)
[87] (WO2018/203950)
[30] US (62/500,898) 2017-05-03
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[51] **Int.Cl. B60L 8/00 (2006.01) H02J 7/00 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING A CHARGING STATION**
[54] **PROCEDE SERVANT A FAIRE FONCTIONNER UNE STATION DE RECHARGE**
[72] BROMBACH, JOHANNES, DE
[72] STRAFIEL, CHRISTIAN, DE
[72] PINGEL, TOBIAS, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2019-10-10
[86] 2018-04-20 (PCT/EP2018/060188)
[87] (WO2018/193091)
[30] DE (10 2017 108 579.3) 2017-04-21

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[13] C
[51] **Int.Cl. G02F 1/025 (2006.01) G02F 1/017 (2006.01)**
[25] EN
[54] **SEMICONDUCTOR MACH-ZEHNDER MODULATOR**
[54] **MODULATEUR DE MACH-ZEHNDER SEMI-CONDUCTEUR**
[72] OZAKI, JOSUKE, JP
[72] OGISO, YOSHIHIRO, JP
[72] KASHIO, NORIHIDE, JP
[73] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
[85] 2019-10-16
[86] 2018-04-17 (PCT/JP2018/015801)
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[30] JP (2017-082313) 2017-04-18

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[51] **Int.Cl. H01P 1/36 (2006.01) A61B 18/12 (2006.01) A61B 18/18 (2006.01) H01P 1/365 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL APPARATUS**
[54] **APPAREIL ELECTROCHIRURGICAL**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] WHITE, MALCOLM, GB
[72] AMOAH, FRANCIS, GB
[72] DHARMISIRI, NUWAN, GB
[73] CREO MEDICAL LIMITED, GB
[86] (3060535)
[87] (3060535)
[22] 2013-09-16
[62] 2,925,156
[30] GB (1217247.4) 2012-09-27

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[13] C
[51] **Int.Cl. A61B 17/34 (2006.01) A61B 1/00 (2006.01) A61B 17/12 (2006.01)**
[25] EN
[54] **FENESTRATION DEVICES, SYSTEMS, AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE FENETRAGE**
[72] CULLY, EDWARD H., US
[72] ESKAROS, SHERIF A., US
[72] MOKELKE, ERIC A., US
[72] HOUGE, REED A., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2019-10-25
[86] 2018-06-19 (PCT/US2018/038323)
[87] (WO2018/236900)
[30] US (62/521,724) 2017-06-19
[30] US (16/011,279) 2018-06-18

[11] **3,061,809**
[13] C
[51] **Int.Cl. H04S 7/00 (2006.01) H04R 5/02 (2006.01)**
[25] EN
[54] **AUDIO PROCESSOR, SYSTEM, METHOD AND COMPUTER PROGRAM FOR AUDIO RENDERING**
[54] **PROCESSEUR AUDIO, SYSTEME, PROCEDE ET PROGRAMME INFORMATIQUE POUR RENDU AUDIO**
[72] WALTHER, ANDREAS, DE
[72] HERRE, JUERGEN, DE
[72] FALLER, CHRISTOF, CH
[72] KLAPP, JULIAN, CH
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2019-10-29
[86] 2018-03-23 (PCT/EP2018/000114)
[87] (WO2018/202324)
[30] EP (17169333.6) 2017-05-03

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[13] C
[51] **Int.Cl. H01M 4/60 (2006.01) H01M 10/052 (2010.01)**
[25] EN
[54] **ANODE FOR LITHIUM ION SECONDARY BATTERY AND LITHIUM ION SECONDARY BATTERY**
[54] **ANODE POUR BATTERIE SECONDAIRE AU LITHIUM-ION, ET BATTERIE SECONDAIRE AULITHIUM-ION**
[72] ASAKAWA, YUICHIRO, JP
[72] UESAKA, SHINICHI, JP
[72] LAFLEUR-LAMBERT, ANTOINE, CA
[72] ZAGHIB, KARIM, CA
[73] MURATA MANUFACTURING CO., LTD., JP
[73] HYDRO-QUEBEC, CA
[85] 2019-10-28
[86] 2018-04-27 (PCT/JP2018/017263)
[87] (WO2018/203534)
[30] US (62/492,657) 2017-05-01

[11] **3,061,911**
[13] C
[51] **Int.Cl. B60B 27/00 (2006.01)**
[25] EN
[54] **WHEEL HUB FOR HEAVY-DUTY VEHICLES**
[54] **MOYEU DE ROUE POUR VEHICULES UTILITAIRES LOURDS**
[72] WITTLINGER, JEFFREY R., US
[72] PIERCE, PHILLIPPI R., US
[72] MORRIS, JEFFREY S., US
[72] WHITE, JAY D., US
[72] ERNENWEIN, KEITH M., US
[72] ANDLER, JASON, US
[73] HENDRICKSON USA, L.L.C., US
[85] 2019-10-29
[86] 2018-05-24 (PCT/US2018/034356)
[87] (WO2018/218001)
[30] US (62/510,812) 2017-05-25

[11] **3,061,980**
[13] C
[51] **Int.Cl. H04W 4/38 (2018.01) H04W 4/90 (2018.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR REAL-TIME PUBLIC SAFETY EVIDENTIARY DATA COLLECTION**
[54] **APPAREIL ET PROCEDE DE COLLECTE DE DONNEES PROBANTES DE SECURITE PUBLIQUE EN TEMPS REEL**
[72] SCHULER, FRANCESCA, US
[72] REITSMA, KATRIN, US
[72] LEWIS, ADAM C., US
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2019-10-29
[86] 2018-05-31 (PCT/US2018/035367)
[87] (WO2019/005416)
[30] US (15/635,706) 2017-06-28
[30] US (15/897,828) 2018-02-15

[11] **3,062,354**
[13] C
[51] **Int.Cl. B61L 23/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING MOVEMENT DISTANCES OF LOCOMOTIVES**
[54] **SYSTEMES ET PROCEDES POUR CONTROLER LES DISTANCES DE MOUVEMENT DES LOCOMOTIVES**
[72] JOVENALL, JEREMY, US
[73] CATTRON NORTH AMERICA, INC., US
[86] (3062354)
[87] (3062354)
[22] 2019-11-22
[30] US (62/802,908) 2019-02-08
[30] US (16/274,442) 2019-02-13

[11] **3,063,193**
[13] C
[51] **Int.Cl. D01B 1/22 (2006.01)**
[25] EN
[54] **HERBAGE FIBER MATERIAL NORMALIZATION ARRANGEMENT APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE NORMALISATION ET D'AGENCEMENT POUR MATIERES PREMIERES A BASE DE FIBRES HERBACEES**
[72] LIU, ZHENGCHU, CN
[72] SU, WEILI, CN
[72] LI, YUNFENG, CN
[73] DAQING SKY GREEN BIOLOGICAL NEW MATERIAL TECHNOLOGY CO, LTD, CN
[85] 2019-11-11
[86] 2018-05-10 (PCT/CN2018/086311)
[87] (WO2018/205974)
[30] CN (201710331313.9) 2017-05-11

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[13] C
[51] **Int.Cl. G01B 11/16 (2006.01) F27D 1/12 (2006.01) F27D 21/00 (2006.01) G01K 11/3206 (2021.01)**
[25] EN
[54] **METHOD FOR DETERMINING DEFORMATION, AND ASSOCIATED EQUIPMENT**
[54] **PROCEDE DE DETERMINATION DE DEFORMATION, ET EQUIPEMENT ASSOCIE**
[72] AMOURAK, MOUNIR, FR
[72] RABELO NUNES CAMPOS, THIAGO, FR
[72] PIERRET, HERVE, FR
[72] KRAUTH, PIERRE-JEAN, FR
[72] SERT, DOMINIQUE, FR
[72] IEZZI, JOSEPH, FR
[72] NOGUES, MICHEL, FR
[73] ARCELORMITTAL, LU
[85] 2019-11-12
[86] 2018-05-31 (PCT/IB2018/000585)
[87] (WO2018/220436)

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[13] C
[51] **Int.Cl. F23C 1/00 (2006.01) F23C 9/00 (2006.01) F23C 9/06 (2006.01) F23D 11/40 (2006.01)**
[25] EN
[54] **VORTEX RECIRCULATING COMBUSTION BURNER HEAD**
[54] **TETE DE BRULEUR A COMBUSTION A RECIRCULATION TOURBILLONNAIRE**
[72] BEARD, JUSTIN J., US
[72] CORBETT, EDWARD, US
[72] SONDERVAN, JOACHIM P., US
[72] VANDERPOOL, JOSEPH B., US
[73] WEBSTER COMBUSTION TECHNOLOGY LLC, US
[85] 2019-11-13
[86] 2018-06-13 (PCT/US2018/037328)
[87] (WO2018/231979)
[30] US (15/622,270) 2017-06-14

[11] **3,063,647**
[13] C
[51] **Int.Cl. B65D 43/10 (2006.01)**
[25] EN
[54] **BEVERAGE CAN TOP COVER**
[54] **COUVERCLE SUPERIEUR DE CANETTE DE BOISSON**
[72] CONNERS, CHRISTOPHER DAVID, CA
[72] WAGG, RANDY FRASER, CA
[73] CONNERS, CHRISTOPHER DAVID, CA
[73] WAGG, RANDY FRASER, CA
[86] (3063647)
[87] (3063647)
[22] 2019-12-04

[11] **3,064,079**
[13] C
[51] **Int.Cl. B61L 27/60 (2022.01) B61L 23/14 (2006.01)**
[25] EN
[54] **REMOTE CONTROL LOCOMOTIVE SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES POUR LOCOMOTIVE AVEC TELECOMMANDE**
[72] JOVENALL, JEREMY, US
[73] CATTRON NORTH AMERICA, INC., US
[86] (3064079)
[87] (3064079)
[22] 2019-12-06
[30] US (16/298,705) 2019-03-11
[30] US (62/810,594) 2019-02-26

[11] **3,064,366**
[13] C
[51] **Int.Cl. F16G 5/00 (2006.01) D04B 1/00 (2006.01) F16G 5/06 (2006.01) F16G 5/20 (2006.01)**
[25] EN
[54] **V-RIBBED BELT AND MANUFACTURING METHOD FOR SAME**
[54] **COURROIE STRIEE ET PROCEDE DE FABRICATION CORRESPONDANT**
[72] HAMAMOTO, KOUHEI, JP
[72] NISHIYAMA, TAKESHI, JP
[73] MITSUBOSHI BELTING LTD., JP
[85] 2019-11-20
[86] 2018-05-23 (PCT/JP2018/019874)
[87] (WO2018/216738)
[30] JP (2017-102797) 2017-05-24
[30] JP (2018-097341) 2018-05-21

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[13] C
[51] **Int.Cl. A61K 8/42 (2006.01) A61K 8/34 (2006.01) A61K 8/41 (2006.01) A61K 8/44 (2006.01) A61K 8/46 (2006.01) A61K 8/49 (2006.01) A61K 8/63 (2006.01) A61Q 19/02 (2006.01)**
[25] EN
[54] **MELANOGENESIS INHIBITOR COMPRISING D-PANTOTHENYL ALCOHOL, AND SKIN-WHITENING COSMETIC CONTAINING SAME MELANOGENESIS INHIBITOR**
[54] **INHIBITEUR DE MELANOGENESE COMPRENANT DE D-PANTOTHENOL, ET PRODUIT DE BEAUTE DE BLANCHISSEMENT DE LA PEAU CONTENANT CET INHIBITEUR DE MELANOGENESE**
[72] KONDO, CHIHIRO, JP
[72] MORI, YASUHITO, JP
[72] SAITOH, YUKO, JP
[72] SASSA, SHOKO, JP
[72] YOKOYAMA, KOUJI, JP
[73] POLA CHEMICAL INDUSTRIES, INC., JP
[86] (3064416)
[87] (3064416)
[22] 2015-04-02
[62] 2,944,553
[30] JP (2014-076693) 2014-04-03

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[51] **Int.Cl. C23G 1/08 (2006.01) B08B 7/00 (2006.01) B21B 45/06 (2006.01) C23G 1/00 (2006.01) C23G 3/02 (2006.01) C23G 5/00 (2006.01) C23G 5/04 (2006.01)**
[25] EN
[54] **CLEANING PLANT FOR METAL PRODUCTS**
[54] **INSTALLATION DE NETTOYAGE POUR PRODUITS METALLIQUES**
[72] VIGNOLO, LUCIANO, IT
[72] PRIMAVERA, ALESSANDRA, IT
[72] MARCONI, GIANFRANCO, IT
[73] DANIELI & C. OFFICINE MECCANICHE S.P.A., IT
[85] 2019-11-21
[86] 2018-05-24 (PCT/IB2018/053689)
[87] (WO2018/215966)
[30] IT (102017000056336) 2017-05-24

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[13] C
[51] **Int.Cl. B65B 59/00 (2006.01) B65B 3/26 (2006.01) B65B 3/32 (2006.01) B67C 3/02 (2006.01)**
[25] EN
[54] **CONTAINER FILLING ASSEMBLY**
[54] **ENSEMBLE DE REMPLISSAGE DE RECIPIENTS**
[72] CACCIATORE, JUSTIN THOMAS, US
[72] GOUDY, ERIC SHAWN, US
[72] DURHAM, BERNARD GEORGE, US
[72] LEUNG, BENNY, US
[72] KULEY, JOHN GLENN, US
[72] CAPECI, SCOTT WILLIAM, US
[72] GUIDA, VINCENZO, BE
[72] TOZZI, EMILIO JAVIER, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-11-26
[86] 2018-06-07 (PCT/US2018/036421)
[87] (WO2018/226933)
[30] US (62/516,965) 2017-06-08

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[13] C
[51] **Int.Cl. B32B 27/04 (2006.01) B32B 27/06 (2006.01) A61M 35/00 (2006.01)**
[25] EN
[54] **A COMPOSITE AND AN ARTICLE COMPRISING THE SAME**
[54] **COMPOSITE ET UN ELEMENT COMPRENANT LEDIT COMPOSITE**
[72] LU, MING CHING, CN
[72] YANG, MAO TING, CN
[73] TAI YU ARTS & DEVELOPMENT CO., LTD., CN
[86] (3065373)
[87] (3065373)
[22] 2019-12-17
[30] TW (108114588) 2019-04-25

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[13] C
[51] **Int.Cl. E04H 4/08 (2006.01)**
[25] EN
[54] **LIFT ASSEMBLY AND SPA INCLUDING THE SAME**
[54] **ENSEMBLE DE LEVAGE, ET CUVE THERMALE LE COMPRENANT**
[72] CUNERTY, JOHN, CA
[72] CORNEAU, GARY, CA
[72] SPICER, WADE, US
[73] STRONG INDUSTRIES, INC., US
[86] (3065430)
[87] (3065430)
[22] 2015-11-17
[62] 2,965,723
[30] US (62/074,301) 2014-11-03
[30] US (62/107,741) 2015-01-26
[30] US (14/713,193) 2015-05-15

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[13] C
[51] **Int.Cl. A61M 5/24 (2006.01) A61M 5/20 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **SAFETY ARRANGEMENT AND MEDICAL DELIVERY DEVICE**
[54] **SYSTEME DE SECURITE ET DISPOSITIF D'ADMINISTRATION MEDICALE**
[72] LINIGER, JURG, CH
[72] MURI, MARTIN, CH
[72] THUER, THOMAS, CH
[72] REILLY, DECLAN, CH
[72] CAMMISH, NEIL B., CH
[72] OLSON, STEPHAN, SE
[73] SHL MEDICAL AG, CH
[85] 2019-11-29
[86] 2018-03-28 (PCT/EP2018/057854)
[87] (WO2018/178127)
[30] EP (17163522.0) 2017-03-29

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[13] C
[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/51 (2020.01) A24F 40/53 (2020.01) A24F 40/57 (2020.01) G01K 7/22 (2006.01)**
[25] EN
[54] **ELECTRONIC VAPOUR PROVISION SYSTEM**
[54] **SYSTEME DE FOURNITURE DE VAPEUR ELECTRONIQUE**
[72] MULLIN, MARTIN CONRAD, GB
[72] BLANDINO, THOMAS P., US
[72] SCHOFIELD, BOB, US
[73] NICOVENTURES HOLDINGS LIMITED, GB
[85] 2019-12-02
[86] 2018-06-20 (PCT/GB2018/051713)
[87] (WO2018/234792)
[30] GB (1709982.1) 2017-06-22

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[13] C
[51] **Int.Cl. C11D 1/83 (2006.01) C11D 1/12 (2006.01) C11D 1/14 (2006.01) C11D 1/94 (2006.01) C11D 11/00 (2006.01) C11D 17/04 (2006.01) C11D 1/72 (2006.01) C11D 1/75 (2006.01)**
[25] EN
[54] **CLEANING PRODUCT**
[54] **PRODUIT DE NETTOYAGE**
[72] ROSMANINHO, ROXANE, BE
[72] DEBRECZENI, MATE, BE
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-12-03
[86] 2018-06-18 (PCT/US2018/038006)
[87] (WO2018/236713)
[30] EP (17177275.9) 2017-06-22
[30] EP (18153117.9) 2018-01-24

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[13] C
[51] **Int.Cl. B63H 5/15 (2006.01) B63H 1/12 (2006.01)**
[25] EN
[54] **PROPULSION DEVICE WITH OUTBOARD WATERJET FOR MARINE VEHICLES**
[54] **DISPOSITIF DE PROPULSION A JET D'EAU EXTERIEUR POUR VEHICULES MARINS**
[72] BENINI, ERNESTO, IT
[72] GOBBO, WILLIAM, IT
[73] SEALENCE S.R.L., IT
[85] 2019-12-27
[86] 2019-07-31 (PCT/IB2019/056536)
[87] (WO2020/026166)
[30] EP (18187392.8) 2018-08-03

[11] **3,066,346**
[13] C
[51] **Int.Cl. E21B 43/117 (2006.01) E21B 43/1185 (2006.01)**
[25] EN
[54] **METHODS FOR ENHANCING HYDROCARBON PRODUCTION FROM SUBTERRANEAN FORMATIONS USING ELECTRICALLY CONTROLLED PROPELLANT**
[54] **PROCEDES PERMETTANT D'AMELIORER LA PRODUCTION D'HYDROCARBURES PRESENTS DANS DES FORMATIONS SOUTERRAINES A L'AIDE D'UN AGENT PROPULSEUR COMMANDE ELECTRIQUEMENT**
[72] NGUYEN, PHILIP D., US
[72] SALAMAT, GOLCHEHREH, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-12-05
[86] 2017-08-04 (PCT/US2017/045518)
[87] (WO2019/027470)

[11] **3,066,702**
[13] C
[51] **Int.Cl. F28D 19/04 (2006.01) F28F 3/02 (2006.01) F28F 3/04 (2006.01)**
[25] EN
[54] **HEAT TRANSFER ELEMENTS FOR ROTARY HEAT EXCHANGERS**
[54] **ELEMENTS DE TRANSFERT DE CHALEUR POUR ECHANGEURS DE CHALEUR ROTATIFS**
[72] REID, MERON, GB
[72] HOGG, DOUGAL, GB
[73] HOWDEN UK LIMITED, GB
[85] 2019-12-09
[86] 2018-06-18 (PCT/IB2018/054477)
[87] (WO2019/003044)
[30] US (15/636,673) 2017-06-29
[30] US (15/703,092) 2017-09-13

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[13] C
[51] **Int.Cl. H02P 25/04 (2006.01) H02P 1/24 (2006.01) H02P 27/16 (2006.01)**
[25] EN
[54] **MOTOR CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE DE MOTEUR**
[72] STEINER, JAMES, US
[72] MOORTHY, DINESH SUNDARA, US
[73] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2019-12-09
[86] 2018-06-08 (PCT/US2018/036708)
[87] (WO2018/227121)
[30] US (62/517,478) 2017-06-09

[11] **3,067,019**
[13] C
[51] **Int.Cl. C09K 8/58 (2006.01) B01D 17/04 (2006.01) C02F 1/28 (2006.01)**
[25] EN
[54] **USE OF COMPOSITE MEDIA FOR TREATMENT OF PRODUCED WATER FROM CHEMICAL ENHANCED OIL RECOVERY**
[54] **UTILISATION DE MILIEUX COMPOSITES POUR LE TRAITEMENT D'EAU PRODUITE A PARTIR D'UNE RECUPERATION ASSISTEE DU PETROLE PAR VOIE CHIMIQUE**
[72] PATTERSON, MATTHEW R., US
[72] FELCH, CHAD L., US
[72] WIERCINSKI, SHANE P., US
[73] SIEMENS ENERGY, INC., US
[85] 2019-12-11
[86] 2018-05-24 (PCT/US2018/034370)
[87] (WO2018/231489)
[30] US (62/518,910) 2017-06-13

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[13] C
[51] **Int.Cl. G01C 21/34 (2006.01) G01C 21/36 (2006.01) G08G 1/123 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING TRANSIT STOP LOCATION**
[54] **SYSTEME ET PROCEDE DE DETERMINATION DE LOCALISATION D'ARRET DE TRANSIT**
[72] GALON, BINYAMIN, IL
[72] BEZALEL, NIR, IL
[72] BICK, ROY, IL
[73] MOOVIT APP GLOBAL LTD., IL
[85] 2019-12-16
[86] 2018-06-18 (PCT/IL2018/050674)
[87] (WO2018/235075)
[30] US (62/521,451) 2017-06-18

[11] **3,067,636**
[13] C
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **ROBOT QUEUING IN ORDER FULFILLMENT OPERATIONS**
[54] **MISE EN FILE D'ATTENTE DE ROBOTS DANS DES OPERATIONS D'EXECUTION DE COMMANDE**
[72] JOHNSON, MICHAEL CHARLES, US
[72] JOHNSON, SEAN, US
[72] POWERS, BRADLEY, US
[72] GALLAGHER, KAITLIN MARGARET, US
[73] LOCUS ROBOTICS CORP., US
[85] 2019-12-17
[86] 2018-06-21 (PCT/US2018/038674)
[87] (WO2018/237105)
[30] US (15/628,751) 2017-06-21
[30] US (15/697,759) 2017-09-07

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[13] C
[51] **Int.Cl. C07D 249/04 (2006.01) A61K 51/04 (2006.01) C07D 401/12 (2006.01)**
[25] EN
[54] **18F-LABELLED COMPOUND FOR PROSTATE CANCER DIAGNOSIS, AND USE THEREOF**
[54] **COMPOSE MARQUE AU 18F POUR LE DIAGNOSTIC DU CANCER DE LA PROSTATE ET SON UTILISATION**
[72] CHI, DAE YOON, KR
[72] LEE, BYOUNG SE, KR
[72] CHU, SO YOUNG, KR
[72] JUNG, WOON JUNG, KR
[72] JEONG, HYEON JIN, KR
[72] KIM, MIN HWAN, KR
[72] KIM, MI HYUN, KR
[72] LEE, KYO CHUL, KR
[72] LEE, YONG JIN, KR
[72] PARK, JI AE, KR
[72] YOO, RAN JI, KR
[72] LIM, SANG MOO, KR
[73] FUTURECHEM CO., LTD., KR
[85] 2019-12-17
[86] 2018-06-18 (PCT/KR2018/006869)
[87] (WO2018/236115)
[30] KR (10-2017-0077570) 2017-06-19
[30] KR (10-2018-0069590) 2018-06-18

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[13] C
[51] **Int.Cl. A47L 15/42 (2006.01) A47L 15/14 (2006.01)**
[25] EN
[54] **DISHMACHINE**
[54] **LAVE-VAISSELLE**
[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
[73] ECOLAB USA INC., US
[86] (3067817)
[87] (3067817)
[22] 2012-12-12
[62] 2,859,358
[30] US (61/569,930) 2011-12-13

[11] **3,068,155**
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[51] **Int.Cl. B65G 47/52 (2006.01) B65G 47/76 (2006.01) B65G 47/82 (2006.01)**
[25] EN
[54] **DIVERTING APPARATUS WITH COANDA STABILIZING DEVICE**
[54] **DISPOSITIF D'ECARTEMENT POURVU DE DISPOSITIF DE STABILISATION A L'EFFET COANDA**
[72] HEUFT, BERNHARD, DE
[73] HEUFT SYSTEMTECHNIK GMBH, DE
[85] 2019-12-20
[86] 2018-08-16 (PCT/EP2018/072233)
[87] (WO2019/038177)
[30] DE (10 2017 008 044.5) 2017-08-25

[11] **3,068,232**
[13] C
[51] **Int.Cl. C12Q 1/6895 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6844 (2018.01) A01H 1/04 (2006.01) C12N 15/29 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **GENETIC MARKERS FOR MYB28**
[54] **MARQUEURS GENETIQUES POUR MYB28**
[72] MITHEN, RICHARD F., GB
[72] TRAKA, MARIA, GB
[72] BRUGMANS, BART W., US
[73] SEMINIS VEGETABLE SEEDS, INC., US
[73] PLANT BIOSCIENCE LIMITED, GB
[86] (3068232)
[87] (3068232)
[22] 2013-09-09
[62] 2,826,720
[30] US (61/700,731) 2012-09-13

[11] **3,068,384**
[13] C
[51] **Int.Cl. B01D 5/00 (2006.01) B01D 53/00 (2006.01) B27K 5/00 (2006.01) F26B 3/04 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS TO EXTRACT PRODUCTS FROM HEAT TREATMENT PROCESS**
[54] **PROCEDE ET APPAREIL POUR L'EXTRACTION DE PRODUITS A PARTIR D'UN PROCESSUS DE TRAITEMENT**
[72] HALONEN, ARTO, FI
[72] MANTSINEN, HENRY, FI
[73] OY LUNAWOOD LTD, FI
[85] 2019-12-23
[86] 2018-06-27 (PCT/FI2018/050513)
[87] (WO2019/002690)
[30] FI (20175615) 2017-06-28

[11] **3,068,640**
[13] C
[51] **Int.Cl. H04W 72/12 (2009.01) H04W 88/08 (2009.01)**
[25] EN
[54] **CONTROL METHOD, NODE, AND COMPUTER STORAGE MEDIUM**
[54] **PROCEDE DE COMMANDE, N□UD, ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-30
[86] 2017-08-11 (PCT/CN2017/097010)
[87] (WO2019/028807)

[11] **3,068,741**
[13] C
[51] **Int.Cl. G01B 11/02 (2006.01) G01B 11/06 (2006.01)**
[25] EN
[54] **TERAHERTZ MEASURING APPARATUS AND A TERAHERTZ MEASURING METHOD FOR MEASURING TEST OBJECTS**
[54] **DISPOSITIF DE MESURE EN TERAHERTZ ET PROCEDE DE MESURE EN TERAHERTZ POUR MESURER DES OBJETS A TESTER**
[72] THIEL, MARIUS, DE
[73] INOEX GMBH INNOVATIONEN UND AUSRUSTUNGEN FUR DIE EXTRUSIONSTECHNIK, DE
[85] 2019-12-31
[86] 2018-07-04 (PCT/DE2018/100614)
[87] (WO2019/007465)
[30] DE (10 2017 114 879.5) 2017-07-04

[11] **3,068,783**
[13] C
[51] **Int.Cl. A45D 29/05 (2006.01) A45D 29/14 (2006.01) B24D 7/00 (2006.01)**
[25] EN
[54] **ABRASIVE TOOL AND USE OF SUCH AN ABRASIVE TOOL**
[54] **OUTIL ABRASIF ET UTILISATION DUDIT OUTIL ABRASIF**
[72] FISCHER, GERD, DE
[72] RUNDEN, BERNHARD, DE
[72] SCHWARK, SEBASTIAN, DE
[73] LUKAS-ERZETT GMBH & CO. KG, DE
[85] 2020-01-02
[86] 2018-07-17 (PCT/EP2018/069406)
[87] (WO2019/020438)
[30] DE (10 2017 116 851.6) 2017-07-25

[11] **3,069,070**
[13] C
[51] **Int.Cl. B60B 35/00 (2006.01) B60K 17/04 (2006.01)**
[25] EN
[54] **ASSEMBLY FOR MOUNTING A WHEEL TO A PORTAL GEAR BOX OF AN OFF-ROAD VEHICLE**
[54] **ENSEMBLE POUR MONTER UNE ROUE SUR UNE BOITE DE VITESSES D`UN VEHICULE HORS ROUTE**
[72] STEPHAN, JORDAN E., US
[72] EATON, JUSTIN, US
[73] SUPER ATV, LLC, US
[86] (3069070)
[87] (3069070)
[22] 2020-01-21
[30] US (62/794764) 2019-01-21

[11] **3,069,176**
[13] C
[51] **Int.Cl. D06F 39/02 (2006.01) A47L 15/44 (2006.01) D06F 39/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR REDUCING AUTO-DOSING FLUCTUATION OF AN AUTOMATIC CLEANING MACHINE**
[54] **PROCEDE ET SYSTEME DE REDUCTION DE FLUCTUATION D'AUTO-DOSAGE D'UNE MACHINE DE NETTOYAGE AUTOMATIQUE**
[72] TANG, MING, CN
[72] YANG, XIAOLIN, CN
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-07
[86] 2017-07-27 (PCT/CN2017/094615)
[87] (WO2019/019078)

[11] **3,069,192**
[13] C
[51] **Int.Cl. B60C 11/16 (2006.01)**
[25] EN
[54] **SPIKE FOR ANCHORING IN A TREAD OF A PNEUMATIC TYRE**
[54] **CRAMPON POUR L'ANCRAGE DANS UNE BANDE DE ROULEMENT D'UN PNEU**
[72] SCHLITTENHARD, JAN, DE
[72] KOTTER, MAIK, DE
[72] SPECHTMEYER, TORBEN, DE
[73] CONTINENTAL REIFEN DEUTSCHLAND GMBH, DE
[85] 2020-01-07
[86] 2018-05-08 (PCT/EP2018/061758)
[87] (WO2019/037900)
[30] DE (10 2017 214 868.3) 2017-08-24

[11] **3,069,234**
[13] C
[51] **Int.Cl. A61F 2/38 (2006.01)**
[25] EN
[54] **TWO-PIECE FLOATING JOINT REPLACEMENT DEVICE WITH A RIGID BACKING MATERIAL**
[54] **DISPOSITIF DE REMPLACEMENT D'ARTICULATION FLOTTANT EN DEUX PIECES AVEC UN MATERIAU DE SUPPORT RIGIDE**
[72] LINDER-GANZ, ERAN, IL
[72] ELSNER, JONATHAN J., US
[72] KLYCE, HENRY A., US
[73] ACTIVE IMPLANTS LLC, US
[85] 2020-01-06
[86] 2018-07-27 (PCT/US2018/044196)
[87] (WO2019/023645)
[30] US (62/538,059) 2017-07-28

[11] **3,069,428**
[13] C
[51] **Int.Cl. E04B 2/96 (2006.01) E06B 3/263 (2006.01)**
[25] EN
[54] **COMBINATION PRESSURE PLATE**
[54] **PLAQUE DE PRESSION COMBINEE**
[72] MCKENNA, GREGORY B., US
[73] ARCONIC TECHNOLOGIES LLC, US
[85] 2020-01-08
[86] 2018-06-23 (PCT/US2018/039176)
[87] (WO2019/055097)
[30] US (15/704,516) 2017-09-14

[11] **3,069,621**
[13] C
[51] **Int.Cl. A61K 47/26 (2006.01) A61K 9/107 (2006.01) A61K 31/05 (2006.01) A61K 31/12 (2006.01) A61K 31/122 (2006.01) A61K 31/19 (2006.01) A61K 31/385 (2006.01) A61K 36/185 (2006.01) A61K 36/324 (2006.01) A61K 36/484 (2006.01) A61K 38/48 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **SOLUBILIZATE WITH CURCUMIN AND OPTIONALLY AT LEAST ONE OTHER ACTIVE SUBSTANCE**
[54] **SOLUBILISAT CONTENANT DE LA CURCUMINE ET OPTIONNELLEMENT AU MOINS UNE AUTRE SUBSTANCE ACTIVE**
[72] BEHNAM, DARIUSH, DE
[73] AQUANOVA AG, DE
[85] 2020-01-10
[86] 2018-07-11 (PCT/EP2018/068731)
[87] (WO2019/011955)
[30] EP (PCT/EP2017/067382) 2017-07-11
[30] EP (PCT/EP2017/067381) 2017-07-11
[30] DE (10 2017 115 496.5) 2017-07-11

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[13] C
[51] **Int.Cl. G10L 19/135 (2013.01) G10L 19/26 (2013.01) G10L 19/12 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MIXED CODEBOOK EXCITATION FOR SPEECH CODING**
[54] **SYSTEME ET PROCEDE POUR L'EXCITATION D'UN GUIDE MIXTE DE CODIFICATION POUR CODAGE DE LA PAROLE**
[72] GAO, YANG, US
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[86] (3069661)
[87] (3069661)
[22] 2013-07-29
[62] 2,864,247
[30] US (13/768,814) 2013-02-15

[11] **3,070,228**
[13] C
[51] **Int.Cl. A61J 1/20 (2006.01)**
[25] EN
[54] **SPINNING FEMALE LUER WITH THREADABLY REMOVABLE FEATURE**
[54] **LUER FEMELLE TOURNANT DOTE D'UNE CARACTERISTIQUE AMOVIBLE PAR FILETAGE**
[72] WEST, ROBERT E., US
[72] CANCELLIERI, JUDE, US
[72] ERALP, KIVILCIM, US
[72] KIM, JAYEON, US
[72] MALBIN, ALICIA, US
[72] YEMANE-TEKESTE, GIRUM, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2020-01-16
[86] 2018-08-13 (PCT/US2018/046470)
[87] (WO2019/036352)
[30] US (62/545,597) 2017-08-15

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[13] C
[51] **Int.Cl. E04D 3/30 (2006.01) H02S 20/25 (2014.01) E04D 13/18 (2018.01)**
[25] EN
[54] **PANEL, ASSEMBLY OF PANELS, AND ASSOCIATED ROOF**
[54] **PANNEAU, ASSEMBLAGE DE PANNEAUX ET TOITURE ASSOCIEE**
[72] VIGNAL, RENAUD, FR
[72] GERON, LAURENT, BE
[72] WOUTERS, PAUL, BE
[73] ARCELORMITTAL, LU
[86] (3070451)
[87] (3070451)
[22] 2015-05-26
[62] 2,986,528

[11] **3,070,486**
[13] C
[51] **Int.Cl. A61M 1/28 (2006.01)**
[25] EN
[54] **AUTOMATIC DIALYSATE DETECTION IN DIALYSIS MACHINES**
[54] **DETECTION AUTOMATIQUE DE DIALYSAT DANS DES MACHINES DE DIALYSE**
[72] PLAHEY, KULWINDER S., US
[72] BIEWER, JOHN A., US
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2020-01-17
[86] 2018-09-20 (PCT/US2018/052034)
[87] (WO2019/060602)
[30] US (15/711,111) 2017-09-21

[11] **3,071,413**
[13] C
[51] **Int.Cl. B23Q 15/013 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CUTTING TRUE WITH A ROUND SAW**
[54] **PROCEDE ET APPAREIL DE COUPE PRECISE A L'AIDE D'UNE SCIE CIRCULAIRE**
[72] MYRFIELD, WARREN L. JR., US
[73] MYRFIELD, WARREN L. JR., US
[85] 2020-01-28
[86] 2017-08-17 (PCT/US2017/047453)
[87] (WO2018/035384)
[30] US (62/376,762) 2016-08-18
[30] US (15/680,135) 2017-08-17

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[13] C
[51] **Int.Cl. C23F 11/14 (2006.01) C09K 8/54 (2006.01) E21B 41/02 (2006.01)**
[25] EN
[54] **AMIDODIAMINE CORROSION INHIBITORS**
[54] **INHIBITEURS DE CORROSION AMIDODIAMINE**
[72] LAN, QIANG, US
[72] DAVIS, NATHAN DARRELL, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-01-28
[86] 2017-09-29 (PCT/US2017/054367)
[87] (WO2019/066911)

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[13] C
[51] **Int.Cl. G05G 11/00 (2006.01) G05G 1/44 (2009.01) A01D 34/68 (2006.01) G05G 3/00 (2006.01)**
[25] EN
[54] **DUAL HANDLE SPEED ADJUSTMENT DEVICE AND LAWN MOWER USING SAME**
[54] **DISPOSITIF DE REGLAGE DE VITESSE A DOUBLE POIGNEE ET TONDEUSE A GAZON L'UTILISANT**
[72] YUAN, GUO-HUI, CN
[72] WANG, JIAN-HUI, CN
[72] LIU, KAI, CN
[72] CHEN, LIN-MIAO, CN
[73] SUMEC HARDWARE & TOOLS CO., LTD., CN
[86] (3071607)
[87] (3071607)
[22] 2020-02-07
[30] CN (201920514108.0) 2019-04-16

[11] **3,072,160**
[13] C
[51] **Int.Cl. E03D 11/08 (2006.01) E03D 1/26 (2006.01)**
[25] EN
[54] **FLUSH TOILET**
[54] **TOILETTE A CHASSE D'EAU**
[72] ZHOU, HONGSHENG, CN
[72] WANG, YANJUN, CN
[72] LIN, SHAOQING, CN
[72] LIU, ZHIQIANG, CN
[72] LI, WENJUAN, CN
[73] GLOBE UNION INDUSTRIAL CORP., TW
[86] (3072160)
[87] (3072160)
[22] 2020-02-12
[30] CN (201911102717.6) 2019-11-12

[11] **3,072,277**
[13] C
[51] **Int.Cl. F42B 4/00 (2006.01) F42B 4/24 (2006.01) G09F 13/46 (2006.01)**
[25] EN
[54] **COMPUTER REGULATED AND CONTROLLED IGNITION AND COMBUSTION PYROTECHNIC DISPLAY APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE D'AFFICHAGE PYROTECHNIQUE AVEC ALLUMAGE ET COMBUSTION REGULES ET COMMANDES PAR ORDINATEUR**
[72] GREENWALD, PETER, US
[73] GREENWALD, PETER, US
[85] 2020-02-06
[86] 2018-02-28 (PCT/US2018/020130)
[87] (WO2019/168512)

[11] **3,072,643**
[13] C
[51] **Int.Cl. A01D 41/06 (2006.01) A01B 63/10 (2006.01) A01D 47/00 (2006.01)**
[25] EN
[54] **CROP MACHINE WITH AN ELECTRONICALLY CONTROLLED HYDRAULIC CYLINDER FLOTATION SYSTEM**
[54] **ENGIN DE RECOLTE DOTE D'UN SYSTEME DE FLOTTEMENT PAR VERIN HYDRAULIQUE A COMMANDE ELECTRONIQUE**
[72] DUNN, JAMES THOMAS, CA
[72] LEVERICK, GRAHAM MICHAEL, CA
[72] LYONS, RUSSELL GEORGE, CA
[72] SHEARER, BRUCE ROBERT, CA
[72] BOCH, KYLE EDWARD, CA
[73] MACDON INDUSTRIES LTD., CA
[85] 2020-02-11
[86] 2017-12-11 (PCT/CA2017/051494)
[87] (WO2019/113671)

[11] **3,072,783**
[13] C
[51] **Int.Cl. C09D 5/00 (2006.01) C08G 77/58 (2006.01) C09D 1/00 (2006.01) C09D 5/08 (2006.01) C23C 18/12 (2006.01)**
[25] EN
[54] **ROOM TEMPERATURE CURE ZIRCONATE-SILICA SOL-GEL PRETREATMENT FOR METAL SUBSTRATES**
[54] **PRETRAITEMENT SOL-GEL DE ZIRCONATE-SILICE DURCISSABLE A TEMPERATURE AMBIANTE POUR SUBSTRATS METALLIQUES**
[72] LI, LEI, US
[73] THE SHERWIN-WILLIAMS COMPANY, US
[85] 2020-02-11
[86] 2018-09-25 (PCT/US2018/052568)
[87] (WO2019/060875)
[30] US (62/562,720) 2017-09-25

[11] **3,072,957**
[13] C
[51] **Int.Cl. G08B 21/02 (2006.01) G06Q 50/06 (2012.01) G16H 80/00 (2018.01) G08B 1/08 (2006.01) G08B 25/00 (2006.01) G08B 25/10 (2006.01) G08B 25/12 (2006.01)**
[25] EN
[54] **ACTIVE CARE CONTROL METHOD, ELECTRONIC CONTROL DEVICE, CENTRAL GATEWAY DEVICE AND SERVER**
[54] **PROCEDE DE COMMANDE DE SOINS ACTIFS, DISPOSITIF DE COMMANDE ELECTRONIQUE, DISPOSITIF PASSERELLE CENTRALE ET SERVEUR**
[72] CUMMINGS, STEPHEN JOHN, AU
[73] CAROMA INDUSTRIES LIMITED, AU
[85] 2020-02-13
[86] 2018-08-15 (PCT/AU2018/000138)
[87] (WO2019/033145)
[30] AU (2017903296) 2017-08-16

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[51] **Int.Cl. A01K 1/015 (2006.01)**
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[54] **CAT MAT**
[54] **TAPIS POUR CHAT**
[72] LIN, JIOU-JIU, CN
[73] LIN, JIOU-JIU, CN
[86] (3073032)
[87] (3073032)
[22] 2020-02-20

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[51] **Int.Cl. B07B 1/54 (2006.01)**
[25] EN
[54] **DEBLINDING APPARATUSES AND METHODS FOR SCREENING**
[54] **APPAREILS DE DEBOUCHAGE ET PROCEDES POUR LE TAMISAGE**
[72] LIPA, ANTHONY J., US
[73] DERRICK CORPORATION, US
[85] 2020-02-27
[86] 2018-08-30 (PCT/US2018/048836)
[87] (WO2019/046571)
[30] US (62/553,668) 2017-09-01

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[25] EN
[54] **MAIZE INBRED PH41M2**
[54] **MAIS AUTOGAME PH41M2**
[72] CARLONE, MARIO ROSARIO, JR., US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3075076)
[87] (3075076)
[22] 2020-03-10

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[51] **Int.Cl. F24F 1/46 (2011.01)**
[25] EN
[54] **COMPRESSOR WALL**
[54] **PAROI DE COMPRESSEUR**
[72] THERIAULT, JONATHAN, CA
[73] DEHUMIDIFIED AIR SOLUTIONS, INC., CA
[85] 2020-03-11
[86] 2019-12-10 (PCT/IB2019/060635)
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[51] **Int.Cl. B61L 1/06 (2006.01) B61L 1/16 (2006.01)**
[25] EN
[54] **METHOD FOR MOUNTING A RAIL MONITORING MEMBER**
[54] **PROCEDE DE MONTAGE D'UN ELEMENT DE SURVEILLANCE DE RAIL**
[72] SCHICKER, KAI, DE
[72] HOFFMANN, LARS, DE
[73] THALES MANAGEMENT & SERVICES DEUTSCHLAND GMBH, DE
[85] 2020-03-06
[86] 2018-09-21 (PCT/EP2018/075572)
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[30] DE (10 2017 216 811.0) 2017-09-22

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[51] **Int.Cl. G01D 5/26 (2006.01) H02K 41/02 (2006.01)**
[25] EN
[54] **OPTICAL SENSING, NON-TETHERED LOCATION MONITORING SYSTEMS AND METHODS OF USE**
[54] **SYSTEMES DE SURVEILLANCE D'EMPLACEMENT NON CAPTIFS A DETECTION OPTIQUE ET LEURS PROCEDES D'UTILISATION**
[72] MARZANO, DOMENIC P., US
[73] VELOCITY MAGNETICS, INC., US
[85] 2020-03-06
[86] 2018-09-10 (PCT/US2018/050259)
[87] (WO2019/051409)
[30] US (62/555,967) 2017-09-08

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[51] **Int.Cl. B65G 67/24 (2006.01) B65D 88/54 (2006.01)**
[25] EN
[54] **LOADING AND UNLOADING OF MATERIAL CONTAINERS**
[54] **CHARGEMENT ET DECHARGEMENT DE CONTENEURS DE MATERIAU**
[72] SURJAATMADJA, JIM BASUKI, US
[72] HUNTER, TIM H., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-03-10
[86] 2017-12-05 (PCT/US2017/064737)
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[25] EN
[54] **RUTHENIUM-BASED CATALYST FOR AMMONIA SYNTHESIS AND PREPARATION METHOD AND USE THEREOF**
[54] **CATALYSEUR A BASE DE RUTHENIUM POUR SYNTHESE DE L`AMMONIAC ET PROCEDE DE PREPARATION ET SON UTILISATION**
[72] JIANG, LILONG, CN
[72] NI, JUN, CN
[72] LIN, JIANXIN, CN
[72] HE, SHENGBAO, CN
[72] LIN, KE, CN
[72] LIN, BINGYU, CN
[72] LING, XINGYI, CN
[73] NATIONAL ENGINEERING RESEARCH CENTER OF CHEMICAL FERTILIZER CATALYST, FUZHOU_UNIVERSITY, CN
[73] PETROCHINA PETROCHEMICAL RESEARCH INSTITUTE, CN
[73] BEIJING SANJU ENVIRONMENTAL PROTECTION & NEW MATERALS CO., LTD., CN
[86] (3075797)
[87] (3075797)
[22] 2020-03-16
[30] CN (CN201911246502.1) 2019-12-06

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[25] EN
[54] **TISSUE CASSETTE READER**
[54] **LECTEUR DE CASSETTE D'INCLUSION**
[72] VON BUEREN, ERICO, US
[72] GREENLEE, JOSHUA, US
[73] SAKURA FINETEK U.S.A., INC., US
[85] 2020-03-31
[86] 2018-10-09 (PCT/US2018/055037)
[87] (WO2019/074941)
[30] US (62/570,077) 2017-10-09
[30] US (16/154,634) 2018-10-08

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[13] C
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[25] EN
[54] **TONE RING MOUNTING STRUCTURE FOR AN ANTILOCK BRAKING SYSTEM AND MANUFACTURING METHOD**
[54] **STRUCTURE DE MONTAGE DE DISQUE D'IMPULSIONS POUR SYSTEME DE FREINAGE ANTIBLOCAGE ET PROCEDE DE FABRICATION ASSOCIE**
[72] WHITE, JAY D., US
[72] DHARAIYA, DHAWAL P., US
[73] HENDRICKSON USA, L.L.C., US
[85] 2020-04-09
[86] 2018-10-22 (PCT/US2018/056873)
[87] (WO2019/083885)
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[25] EN
[54] **LIGHTING APPARATUS**
[54] **APPAREIL D`ECLAIRAGE**
[72] LIU, JINYONG, CN
[73] LEEDARSON LIGHTING CO., LTD., CN
[86] (3078993)
[87] (3078993)
[22] 2020-04-20
[30] CN (201921115226.0) 2019-07-16

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[51] **Int.Cl. A47J 31/44 (2006.01) A23L 2/54 (2006.01) A47J 43/27 (2006.01) B67C 3/26 (2006.01)**
[25] EN
[54] **CARBONATION MACHINE WITH SAFEGUARD**
[54] **MACHINE DE CARBONATATION AVEC DISPOSITIF DE SECURITE**
[72] RING, ALLAN, IL
[72] COHEN, AVI, IL
[72] KROM, DORON, IL
[72] HARDUFF, HAGAI, IL
[72] AVIDOR, AMIT, IL
[73] SODASTREAM INDUSTRIES LTD., IL
[86] (3081923)
[87] (3081923)
[22] 2012-08-09
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[51] **Int.Cl. E02B 9/04 (2006.01) E02B 5/08 (2006.01)**
[25] EN
[54] **WATER INTAKE STRUCTURE**
[54] **STRUCTURE DE PRISE D`EAU**
[72] SZOKE, SIMON, CA
[72] MACDONALD, SAM, CA
[72] PACZEK, LUCAS, CA
[72] ZELL, GRAHAM, CA
[72] HALLIDAY, DAVID, CA
[72] ZELL, PETER, CA
[72] ROBINSON, BRETT, CA
[72] DE LA TORRE, MAURICIO RENE PONGA, CA
[72] ZAKERSHOBEIRI, MOHAMMAD AMIN, CA
[73] SEA TO SKY ENERGY SOLUTIONS CORP., CA
[86] (3082768)
[87] (3082768)
[22] 2020-06-09
[30] US (62/860863) 2019-06-13
[30] US (16/896,116) 2020-06-08

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[51] **Int.Cl. B01D 11/02 (2006.01) B29B 17/02 (2006.01) C08J 11/02 (2006.01)**
[25] EN
[54] **PROCESSING POST-INDUSTRIAL AND POST-CONSUMER WASTE STREAMS AND PREPARATION OF POST-INDUSTRIAL AND POST-CONSUMER PRODUCTS THEREFROM**
[54] **TRAITEMENT DE FLUX DE DECHETS POST-INDUSTRIELS ET POST-CONSOMMATION ET PREPARATION DE PRODUITS POST-INDUSTRIELS ET POST-CONSOMMATION A PARTIR DE CEUX-CI**
[72] GINN, MICHAEL WARREN, US
[72] JONES, WHITNEY LYNN, US
[73] GMT IP, LLC, US
[85] 2020-05-21
[86] 2018-12-04 (PCT/US2018/063944)
[87] (WO2019/113135)
[30] US (62/594,248) 2017-12-04
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[51] **Int.Cl. B60P 1/56 (2006.01) B65G 67/24 (2006.01)**
[25] EN
[54] **A TRAILER ASSEMBLY AND METHOD OF USE FOR SELECTABLY BOTTOM DUMPING AND REAR DUMPING PARTICULATE MATERIAL**
[54] **ENSEMBLE REMORQUE ET PROCEDE D`UTILISATION POUR CHALANDS A FOND OUVRANT ET DECHARGEMENT ARRIERE SELECTIONNABLES DE MATERIAU PARTICULAIRE**
[72] LOWE, JAMES E., CA
[72] UNKNOWN, XX
[73] LOWE, JAMES E., CA
[86] (3083513)
[87] (3083513)
[22] 2020-06-13
[30] US (62861271) 2019-06-13

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[13] C
[51] **Int.Cl. A47J 31/40 (2006.01) B67D 1/00 (2006.01)**
[25] EN
[54] **CARTRIDGE RECEPTACLE, CARTRIDGE SYSTEM, BEVERAGE PREPARATION MACHINE, AND METHOD FOR PRODUCING A BEVERAGE**
[54] **LOGEMENT DE CARTOUCHE, SYSTEME DE CARTOUCHE, MACHINE DE PREPARATION DE BOISSONS ET PROCEDE DE PREPARATION D'UNE BOISSON**
[72] KRUGER, MARC, DE
[72] FISCHER, DANIEL, CH
[72] EMPL, GUNTER, DE
[73] FREEZIO AG, CH
[85] 2020-05-26
[86] 2018-11-26 (PCT/EP2018/082553)
[87] (WO2019/101997)
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[51] **Int.Cl. C01B 17/04 (2006.01) C01B 17/50 (2006.01) C01B 17/76 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCTION OF SULFUR INVOLVING RECYCLE OF SULFURIC ACID**
[54] **METHODE DE PRODUCTION DE SOUFRE COMPRENANT LE RECYCLAGE DE L'ACIDE SULFURIQUE**
[72] LYKKE, MADS, DK
[73] HALDOR TOPSOE A/S, DK
[85] 2020-05-26
[86] 2018-11-28 (PCT/EP2018/082753)
[87] (WO2019/105956)
[30] EP (PCT/EP2017/080721) 2017-11-28
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[51] **Int.Cl. B22F 9/08 (2006.01) C22C 38/00 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING ATOMIZED METAL POWDER**
[54] **PROCEDE DE PRODUCTION DE POUDRE METALLIQUE ATOMISEE**
[72] NAKASEKO, MAKOTO, JP
[72] NAKAMURA, NAOMICHI, JP
[72] KOBAYASHI, AKIO, JP
[72] TAKASHITA, TAKUYA, JP
[73] JFE STEEL CORPORATION, JP
[85] 2020-06-05
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[54] **TRACTION DEVICE**
[54] **DISPOSITIF A TRACTION**
[72] DATHE, PAUL, US
[72] DELANGHE, ERNEST J., US
[73] CALIBER, INC., US
[86] (3086140)
[87] (3086140)
[22] 2015-05-08
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[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] QI, YOULIN, US
[72] SPARKS, OSCAR C., US
[72] VAN SCOYOC, BROOK M., US
[72] YANG, HEPING, US
[72] LARUE, CLAYTON T., US
[73] MONSANTO TECHNOLOGY LLC, US
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[54] **METHOD AND SYSTEM FOR SAFE PRESSURIZED MUD CAP DRILLING**
[54] **PROCEDE ET SYSTEME DE FORAGE SECURISE DE BOUCHON DE BOUE SOUS PRESSION**
[72] SANTOS, HELIO, US
[73] SAFEKICK AMERICAS LLC, US
[85] 2020-07-14
[86] 2018-11-24 (PCT/US2018/062404)
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[25] EN
[54] **INTELLIGENT INSIGHT SYSTEM AND METHOD FOR FACILITATING PARTICIPANT INVOLVEMENT**
[54] **SYSTEME DE RECOMMANDATION INTELLIGENT ET METHODE POUR FACILITER LA PARTICIPATION D'UN PARTICIPANT**
[72] MAHESHWARI, VISHAL BRIJNARAIN, IN
[72] GUPTA, RICHA, IN
[72] GUPTA, VAISHALI, IN
[72] SIVARAMAN, VIVEK, IN
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE
[86] (3090263)
[87] (3090263)
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[25] EN
[54] **SYSTEM AND METHOD FOR PREPARING HOLLOW CORE CRANIAL REMODELING ORTHOSES**
[54] **SYSTEME ET PROCEDE DE PREPARATION D'ORTHESES DE REMODELAGE CRANIEN A NOYAU CREUX**
[72] GOODNOUGH, JASON SHANE, CA
[73] HEADSTART MEDICAL LTD., CA
[85] 2020-09-18
[86] 2019-03-20 (PCT/CA2019/050338)
[87] (WO2019/178686)
[30] US (62/645,704) 2018-03-20
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[51] **Int.Cl. B65D 81/38 (2006.01) B32B 1/02 (2006.01) F25D 3/08 (2006.01) F28D 20/02 (2006.01)**
[25] EN
[54] **A THERMALLY INSULATED CONTAINER**
[54] **RECIPIENT THERMO-ISOLE**
[72] KNIGHT, PHILIP, GB
[73] LAMINAR MEDICA LIMITED, GB
[86] (3095289)
[87] (3095289)
[22] 2017-05-30
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[25] EN
[54] **METHODS FOR TREATMENT OF HBV INFECTION**
[54] **METHODES DE TRAITEMENT D'UNE INFECTION PAR LE VIRUS DE L'HEPATITE B (HBV)**
[72] CHEN, HUNG-KAI, TW
[72] SHIH, DAW-TSUN, TW
[72] KU, CHENG-LUN, TW
[72] CHUNG, PEI-HAN, TW
[73] ELIXIRON IMMUNOTHERAPEUTICS (HONG KONG) LIMITED, CN
[85] 2020-09-29
[86] 2019-03-28 (PCT/US2019/024663)
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[30] US (62/650,195) 2018-03-29
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[51] **Int.Cl. B62D 55/06 (2006.01) G01N 29/265 (2006.01)**
[25] EN
[54] **ENDLESS-TRACK TRAVELING APPARATUS, AND MOVABLE BODY OF GENERATOR INSPECTION ROBOT INCLUDING THE SAME**
[54] **DISPOSITIF DE DEPLACEMENT DE CHENILLE ET CORPS MOBILE POUR ROBOT D'INSPECTION DE GENERATEUR EQUIPE DE CE DERNIER**
[72] KADOTA, NAOYA, JP
[72] YANO, KOTA, JP
[72] MIZUNO, DAISUKE, JP
[72] MORIMOTO, YOSHIHIRO, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
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[25] EN
[54] **PLANT AND AIR POLLUTION CONTROL METHOD**
[54] **INSTALLATION ET PROCEDE DE LUTTE CONTRE LA POLLUTION DE L'AIR**
[72] TSUJIUCHI, TATSUYA, JP
[72] YONEKAWA, TAKAHITO, JP
[72] KAMIJO, TAKASHI, JP
[73] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
[85] 2020-10-23
[86] 2019-04-19 (PCT/JP2019/016761)
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[30] JP (2018-083280) 2018-04-24

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[25] EN
[54] **POWERTRAIN FOR WELLSITE OPERATIONS AND METHOD**
[54] **GROUPE MOTOPROPULSEUR POUR OPERATIONS ET PROCEDE DE SITE DE FORAGE**
[72] SHERMAN, DAVID, CA
[72] TALBOT, CRAIG, CA
[73] SHERMAN, DAVID, CA
[73] TALBOT, CRAIG, CA
[85] 2020-10-28
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[30] US (62/664,943) 2018-05-01

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[51] **Int.Cl. A01G 25/16 (2006.01)**
[25] EN
[54] **METHOD FOR MANAGING CROP IRRIGATION, AND SYSTEM USING SAME**
[54] **METHODE DE GESTION DE L'IRRIGATION DES CULTURES ET SYSTEME CONNEXE**
[72] GILBERT, MICHAEL WALTER, CA
[72] LEUNG, KENNY KA HIN, CA
[72] TEITELBAUM, TOMAS, CA
[72] MA, OLIVER ZHEYI, CA
[72] MARTINEZ, JOHANN DAVID, US
[72] HAZELL, JORDAN RICHARD, CA
[73] SEMIOSBIO TECHNOLOGIES INC., CA
[86] (3102341)
[87] (3102341)
[22] 2020-12-10

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[51] **Int.Cl. G06T 7/00 (2017.01) G06T 7/254 (2017.01) G06T 19/20 (2011.01)**
[25] EN
[54] **MEASUREMENT PLATFORM THAT AUTOMATICALLY DETERMINES WEAR OF MACHINE COMPONENTS BASED ON IMAGES**
[54] **PLATEFORME DE MESURE DETERMINANT AUTOMATIQUEMENT L'USURE DE COMPOSANTS DE MACHINE SUR LA BASE D'IMAGES**
[72] FINCH, NOLAN, US
[72] MA, LINGYU, US
[73] CATERPILLAR INC., US
[85] 2020-12-04
[86] 2019-06-07 (PCT/US2019/035979)
[87] (WO2019/245754)
[30] US (16/015,340) 2018-06-22

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[13] C
[51] **Int.Cl. A45C 7/00 (2006.01)**
[25] EN
[54] **MODULAR LUGGAGE SYSTEM WITH MULTIPLE LEVEL MODULAR DESIGN AND LINKABLE CASES**
[54] **SYSTEME DE BAGAGES MODULAIRES A CONCEPTION MODULAIRE SUR PLUSIEURS NIVEAUX, ET MALLETTES POUVANT ETRE RELIEES**
[72] CHEN, TIANQIAO, US
[72] NG, HOSEN, SG
[73] SHANDA GROUP PTE., LTD., US
[85] 2021-02-03
[86] 2019-08-02 (PCT/US2019/044866)
[87] (WO2020/033257)
[30] US (16/057,595) 2018-08-07

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[51] **Int.Cl. A61L 15/24 (2006.01) A61L 15/28 (2006.01) A61L 15/42 (2006.01)**
[25] EN
[54] **COMPOSITE DRESSINGS, MANUFACTURING METHODS AND APPLICATIONS THEREOF**
[54] **PANSEMENTS COMPOSITES, LEURS PROCEDES DE FABRICATION ET LEURS APPLICATIONS**
[72] MAVELY, LEO, IN
[72] SONAJE, KIRAN, IN
[72] AGRAWAL, ANIMESH, IN
[73] ADVAMEDICA INC., US
[85] 2021-02-25
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[13] C
[51] **Int.Cl. F25B 41/00 (2021.01) F25B 1/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF MECHANICAL COMPRESSION REFRIGERATION BASED ON TWO-PHASE EJECTOR**
[54] **SYSTEME ET PROCEDE DE REFRIGERATION PAR COMPRESSION MECANIQUE BASEE SUR UN EJECTEUR A DEUX PHASES**
[72] AIDOUN, ZINE, CA
[72] AMEUR, KHALED, CA
[72] BADACHE, MESSAOUD, CA
[73] HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES, CA
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[25] EN
[54] **BEHIND-THE-METER CHARGING STATION WITH AVAILABILITY NOTIFICATION**
[54] **STATION DE CHARGE DERRIERE LE COMPTEUR A NOTIFICATION DE DISPONIBILITE**
[72] MCNAMARA, MICHAEL T., US
[72] HENSON, DAVID J., US
[72] CLINE JR., RAYMOND E., US
[73] LANCIUM LLC, US
[85] 2021-08-24
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[51] **Int.Cl. F23G 5/44 (2006.01) F23G 7/00 (2006.01) F23H 13/00 (2021.01) F27D 3/12 (2006.01)**
[25] EN
[54] **METHOD AND REACTOR FOR THE ADVANCED THERMAL CHEMICAL CONVERSION PROCESSING OF MUNICIPAL SOLID WASTE**
[54] **PROCEDE ET REACTEUR POUR LE TRAITEMENT DE CONVERSION CHIMIQUE THERMIQUE AVANCE DE DECHETS SOLIDES MUNICIPAUX**
[72] DECKER, EARL, CA
[73] DECKER, EARL, CA
[85] 2021-08-18
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[54] **MAGNETIC JOINT AND OPTICAL MOUNT USING THE SAME**
[54] **ARTICULATION MAGNETIQUE ET MONTURE OPTIQUE L'UTILISANT**
[72] KRYLOV, VLADIMIR G., US
[73] LIGHT STEERING TECHNOLOGIES, INC., US
[85] 2021-09-07
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[25] EN
[54] **GAS PRODUCT, METHOD FOR PRODUCING SAME AND METHOD FOR PRODUCING MEDICAL INHALATION GAS**
[54] **PRODUIT GAZEUX, SON PROCEDE DE PRODUCTION ET PROCEDE DE PRODUCTION DE GAZ D'INHALATION MEDICAL**
[72] YAMADA, MASAAKI, JP
[72] MISAWA, ICHIRO, JP
[72] KOBAYASHI, HIROSUKE, JP
[72] KOKUBO, KENICHI, JP
[73] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[73] THE KITASAKO INSTITUTE, JP
[85] 2021-09-10
[86] 2020-03-04 (PCT/JP2020/009238)
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[25] EN
[54] **DOUBLE-CHAMBER INFLATABLE KAYAK**
[54] **BATEAU GONFLABLE A DOUBLE COUSSIN DE SECURITE GONFLABLE**
[72] DING, XIAORONG, CN
[73] WEIHAI WINNER INNOVATION OCEAN TECHNOLOGY CO., LTD, CN
[73] ADVANCED ELEMENTS, INC., US
[85] 2021-09-24
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[25] EN
[54] **POWER AND COMMUNICATION ADAPTER FOR LIGHTING SYSTEM FOR INDOOR GROW APPLICATION**
[54] **ADAPTATEUR D'ALIMENTATION ET DE COMMUNICATION POUR SYSTEME D'ECLAIRAGE DESTINE A LA CULTURE EN INTERIEUR**
[72] CAI, DENGKE, US
[72] MASON, MARTIN RAY, US
[73] HGCI, INC., US
[85] 2021-10-29
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[51] **Int.Cl. F24C 7/08 (2006.01) F24C 11/00 (2006.01)**
[25] EN
[54] **ELEVATED COUNTERTOP COOKING APPARATUS, SYNCHRONIZED MULTI-BAY COOKING APPARATUS, AND METHOD FOR SYNCHRONIZED MULTI-BAY COOKING**
[54] **APPAREIL DE CUISSON DE PLAN DE TRAVAIL SURELEVE, APPAREIL DE CUISSON A COMPARTIMENTS MULTIPLES SYNCHRONISES ET PROCEDE DE CUISSON A COMPARTIMENTS MULTIPLES SYNCHRONISES**
[72] IANTORNO, SALVATORE ALBANO, CA
[72] LOUDON, JONATHAN, CA
[72] MACDONALD, JASON, CA
[72] RICHARDSON, JULIAN, CA
[73] ENNOVATE INC., CA
[85] 2021-11-26
[86] 2021-03-31 (PCT/CA2021/050435)
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[30] US (16/835,676) 2020-03-31
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[25] EN
[54] **MANUAL HYDRAULIC OVERRIDE PUMPS FOR USE WITH ACTUATORS**
[54] **POMPES DE SURPASSEMENT HYDRAULIQUES MANUELLES DESTINEES A ETRE UTILISEES AVEC DES ACTIONNEURS**
[72] CHRISTOPHERSON, MATT, US
[72] CHENG, MICHAEL, US
[72] SUN, JOSEPH, US
[73] EMERSON PROCESS MANAGEMENT, VALVE AUTOMATION, INC., US
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[25] EN
[54] **FACE MASK WITH SELF-SEALING ACCESS PORT FOR A STRAW**
[54] **MASQUE COMPORTANT UN ORIFICE D'ACCES AUTO-OBTURANT POUR UNE PAILLE**
[72] KARIM, POTHIK, CA
[71] KARIM, POTHIK, CA
[22] 2020-10-19
[41] 2022-04-19

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[21] **3,096,356**
[13] A1
[51] **Int.Cl. A47K 5/12 (2006.01) G05G 1/02 (2006.01)**
[25] EN
[54] **AN ADAPTING DEVICE FOR THE WRIST THAT CAN BE SECURED ONTO EXISTING LIQUID DISPENSERS**
[54] **DISPOSITIF D'ADAPTATION POUR LE POIGNET POUVANT ETRE FIXE SUR DES DISTRIBUTEURS DE LIQUIDE EXISTANTS**
[72] KWONG, WING, CA
[71] KWONG, WING, CA
[22] 2020-10-19
[41] 2022-04-19

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[25] FR
[54] **PROTECTIVE DEVICE, ESPECIALLY FOR DENTAL SURGEONS**
[54] **DISPOSITIF DE PROTECTION, NOTAMMENT POUR CHIRURGIEN-DENTISTE**
[72] POTEL, CHARLES-HENRI, CH
[71] SELECT-DENTAL SA, CH
[22] 2020-10-19
[41] 2022-04-19

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[51] **Int.Cl. G10H 1/36 (2006.01) G06Q 30/06 (2012.01) H04W 4/30 (2018.01)**
[25] EN
[54] **VIBESR**
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[72] DANIELS, JESSE, CA
[71] DANIELS, JESSE, CA
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[51] **Int.Cl. A01G 24/40 (2018.01) A01G 9/12 (2006.01) A01G 31/00 (2018.01)**
[25] EN
[54] **AIRTIGHT AND WATERTIGHT PLANT COLLAR FOR HYDROPONIC, AEROPONIC, AND BIOMECHANICAL AIR FILTRATION SYSTEMS**
[54] **COLLET A PLANTE ETANCHE A L'AIR ET A L'EAU POUR DES SYSTEMES DE FILTRATION D'AIR HYDROPONIQUES, AEROPONIQUES ET BIOMECANIQUES**
[72] FERGUSON, JOEL, CA
[71] FERGUSON, JOEL, CA
[22] 2020-10-21
[41] 2022-04-21

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[13] A1
[51] **Int.Cl. A01G 9/24 (2006.01) A01G 9/20 (2006.01)**
[25] EN
[54] **AIR CURTAIN AND LIGHTING SYSTEM FOR PLANT PROPAGATION IN INDOOR GROWING SYSTEMS**
[54] **BARRIERE A BULLES D'AIR ET SYSTEME D'ECLAIRAGE POUR LA PROPAGATION DE PLANTES DANS UN SYSTEME DE CULTURE INTERIEURE**
[72] FERGUSON, JOEL, CA
[71] FERGUSON, JOEL, CA
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[13] A1
[51] **Int.Cl. A01G 31/02 (2006.01)**
[25] EN
[54] **PULSE-WAVE SUSPENSION AEROPONIC MISTING SYSTEM**
[54] **SYSTEME DE PULVERISATEUR AEROPONIQUE A SUSPENSION DE FORME D'IMPULSION**
[72] FERGUSON, JOEL, CA
[71] FERGUSON, JOEL, CA
[22] 2020-10-21
[41] 2022-04-21

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[13] A1
[51] **Int.Cl. B60D 1/06 (2006.01) B60D 1/28 (2006.01) B60D 1/58 (2006.01)**
[25] EN
[54] **BALL AND SOCKET HITCH LOCK**
[54] **VERROU DE REMORQUE EN BILBOQUET**
[72] OLSON, BRIAN R., CA
[71] POWER PIN INC., CA
[22] 2020-10-19
[41] 2022-04-19

[21] **3,096,796**
[13] A1
[51] **Int.Cl. E03B 1/02 (2006.01) E03B 5/00 (2006.01) E03B 7/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROL OF PUMPS IN A WATER DISTRIBUTION NETWORK**
[54] **SYSTEME ET METHODE POUR CONTROLER DES POMPES DANS UN RESEAU DE DISTRIBUTION D'EAU**
[72] ALLIDINA, ALNOOR, CA
[71] IBI GROUP PROFESSIONAL SERVICES(CANADA) INC., CA
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[13] A1
[51] **Int.Cl. A61M 25/06 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **VIBRATION MACHINE WITH AEROBIC MAT**
[54] **MACHINE VIBRATOIRE AVEC TAPIS AEROBIQUE**
[72] ABOODY, MORRIS, CA
[71] ABOODY, MORRIS, CA
[22] 2020-10-23
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[13] A1
[51] **Int.Cl. B01D 11/02 (2006.01) A23L 5/20 (2016.01) A23L 33/105 (2016.01) A61K 36/185 (2006.01)**
[25] EN
[54] **METHODS FOR BLOCKING HEAVY METALS FROM ENTERING PLANT EXTRACTS**
[54] **METHODES POUR EMPECHER LES METAUX LOURDS DE S'INTRODUIRE DANS LES EXTRAITS DE PLANTES**
[72] BUEBLE, RICHARD, CA
[71] TREESTAR CAPITAL CORP., CA
[22] 2020-10-23
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[51] **Int.Cl. A61K 31/198 (2006.01) A23K 20/168 (2016.01) A23K 50/30 (2016.01) A61P 31/04 (2006.01) A61P 31/14 (2006.01) A61P 31/20 (2006.01) C02F 1/68 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING PORCINE PATHOGEN INFECTIONS USING THYROID HORMONE THERAPEUTICS**
[54] **METHODES POUR TRAITER LES INFECTIONS PATHOGENIQUES PORCINES AU MOYEN D'AGENTS THERAPEUTIQUES D'HORMONE THYROIDIENNE**
[72] HARDING, JOHN CLARE SAMUEL, CA
[72] HAMONIC, GLENN, CA
[72] PASTERNAK, JONATHAN ALEX, US
[71] UNIVERSITY OF SASKATCHEWAN, CA
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[13] A1
[51] **Int.Cl. A47C 16/00 (2006.01)**
[25] EN
[54] **PORTABLE SLEEP DEVICE**
[54] **DISPOSITIF DE SOMMEIL PORTATIF**
[72] WALKER, JACY, CA
[71] WALKER, JACY, CA
[22] 2020-10-19
[41] 2022-04-19

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[13] A1
[51] **Int.Cl. B64D 25/08 (2006.01) B64D 17/80 (2006.01)**
[25] EN
[54] **HELICOPTER SAFTIE PARACHUTE, PERVENT HELICOPTER DEATHS FROM CRASHES, AND LOSS OF LIFE, WANT SAFE (REGULAR RANKS)**
[54] **PARACHUTE DE SECOURS D'HELICOPTERE POUR PREVENIR LES DECES DES ECRASEMENTS ET LA PERTE DE VIE AUX FINS DE SECURITE (RANGS NORMAUX)**
[72] PETRIE, BLAIR J. L., CA
[71] PETRIE, BLAIR J. L., CA
[22] 2020-10-22
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[51] **Int.Cl. F16L 3/08 (2006.01) B64C 1/00 (2006.01) B64D 45/02 (2006.01) F16B 2/08 (2006.01)**
[25] EN
[54] **CLAMP**
[54] **COLLIER**
[72] JALALI, MOHSEN, CA
[71] AIRBUS CANADA LIMITED PARTNERSHIP, CA
[22] 2020-10-23
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[13] A1
[51] **Int.Cl. G06F 16/903 (2019.01) G06Q 50/18 (2012.01) G06F 16/33 (2019.01) G06F 40/205 (2020.01)**
[25] EN
[54] **A METHOD FOR DETERMINING RELEVANT SEARCH RESULTS**
[54] **METHODE POUR DETERMINER DES RESULTATS DE RECHERCHE PERTINENTS**
[72] ZOUHRI, YOUSSEF, CA
[72] TRUDEL, CHRIS, CA
[72] BENCIC, RYAN THOMAS, CA
[72] AMADOR, DAISY, CA
[71] SETTLE SMART LTD., CA
[22] 2020-10-23
[41] 2022-04-23

[21] **3,097,334**
[13] A1
[51] **Int.Cl. B62D 3/08 (2006.01)**
[25] EN
[54] **SURFACE POCKETING TOOL**
[54] **OUTIL DE FORMATION DE POCHES DE SURFACE**
[72] MACKELVIE, WINSTON R., CA
[71] MACKELVIE, WINSTON R., CA
[22] 2020-10-19
[41] 2022-04-19

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[13] A1
[51] **Int.Cl. C09K 8/584 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **MICROEMULSIONS COMPRISING AN ALKYL PROPOXYLATED SULFATE SURFACTANT, AND RELATED METHODS**
[54] **MICROEMULSIONS COMPRENANT UN AGENT DE SURFACE DE SULFATE PROPOXYLE ALKYLE ET METHODES CONNEXES**
[72] TRABELSI, SIWAR, US
[71] FLOTEK CHEMISTRY, LLC, US
[22] 2020-10-29
[41] 2022-04-23
[30] US (17/078,258) 2020-10-23

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[51] **Int.Cl. F04B 47/08 (2006.01) E21B 43/12 (2006.01) F04B 9/113 (2006.01) F04B 49/035 (2006.01) F04B 49/06 (2006.01) F04B 53/10 (2006.01) F04B 53/14 (2006.01)**
[25] EN
[54] **HYDRAULICALLY ACTUATED DOUBLE-ACTING POSITIVE DISPLACEMENT PUMP SYSTEM FOR PRODUCING FLUIDS FROM A DEVIATED WELLBORE**
[54] **SYSTEME DE POMPE VOLUMETRIQUE POSITIVE A DOUBLE EFFET ET ACTIONNEMENT HYDRAULIQUE POUR PRODUIRE DES LIQUIDES D'UN TROU DE FORAGE DEVIE**
[72] DING, YUCHANG (BOB), CA
[71] PMC PUMPS INC., CA
[22] 2020-10-23
[41] 2022-04-23

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[13] A1
[51] **Int.Cl. A47B 9/20 (2006.01) A47B 13/00 (2006.01) B25H 1/16 (2006.01) G02B 21/00 (2006.01)**
[25] EN
[54] **ACTUATED HEIGHT ADJUSTABLE OPTICAL TABLE**
[54] **TABLE OPTIQUE A HAUTEUR AJUSTABLE ACTIONNEE**
[72] DHESE, KEITH, US
[72] GRIMWADE, DAVE, US
[72] SUBRAMANI, POOBALAN, US
[72] ARAUZ, LINA, US
[71] THORLABS, INC., US
[22] 2020-11-13
[41] 2022-04-22
[30] US (17/077,289) 2020-10-22

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[13] A1
[51] **Int.Cl. A47J 37/06 (2006.01)**
[25] EN
[54] **SANDWICH MAKER**
[54] **GRILLE-SANDWICH**
[72] WU. YU-CHIEH, CN
[72] CHANG, I-TING, CN
[71] PRESIDENT CHAIN STORE CORP., CN
[22] 2020-11-30
[41] 2022-04-22
[30] TW (109213951) 2020-10-22

[21] **3,105,549**
[13] A1
[51] **Int.Cl. B62D 37/02 (2006.01) B62D 35/00 (2006.01)**
[25] EN
[54] **RIBBED AERODYNAMIC SKIRT PANEL AND ASSEMBLY THEREOF**
[54] **PANNEAU DE JUPE AERODYNAMIQUE NERVURE ET ASSEMBLAGE CONNEXE**
[72] BOIVIN, MATHIEU, CA
[72] MANGALO, JALAL, CA
[72] DERNY, ALEXANDRE, CA
[72] DAOUST, SYLVAIN, CA
[71] TRANSTEX INC., CA
[22] 2021-01-10
[41] 2022-04-22
[30] US (17/145,358) 2021-01-10
[30] US (63104227) 2020-10-22

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[51] **Int.Cl. H04L 9/10 (2006.01)**
[25] EN
[54] **SWITCH DEVICE FOR ONE-WAY TRANSMISSION**
[54] **DISPOSITIF DE COMMUTATION POUR LES TRANSMISSIONS A SENS UNIQUE**
[72] CHAN, YUAN CHEN, TW
[72] HSU, PO-CHIH, TW
[71] BLACKBEAR (TAIWAN) INDUSTRIAL NETWORKING SECURITY LTD., TW
[22] 2021-05-19
[41] 2022-04-23
[30] US (63/104,522) 2020-10-23
[30] US (17/149,633) 2021-01-14

[21] **3,124,154**
[13] A1
[51] **Int.Cl. B05B 1/18 (2006.01) A47K 3/28 (2006.01) F16B 7/14 (2006.01) F16L 27/12 (2006.01)**
[25] EN
[54] **TELESCOPIC SHOWER**
[54] **DOUCHE TELESCOPIQUE**
[72] LIN, XIAOFA, CN
[72] LIN, XIAOSHAN, CN
[72] WAN, ZHIGANG, CN
[72] DENG, FEIMING, CN
[72] CHEN, ZHIWEI, CN
[72] LIU, QIQIAO, CN
[72] DENG, XIAOQING, CN
[71] FUJIAN XIHE SANITARY WARE TECHNOLOGY CO., LTD., CN
[22] 2021-07-07
[41] 2022-04-21
[30] CN (202011130111.6) 2020-10-21

[21] **3,124,229**
[13] A1
[51] **Int.Cl. G04B 17/28 (2006.01) G04B 27/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE LEVER OF A TOURBILLON MECHANISM AND A METHOD OF ADJUSTMENT**
[54] **LEVIER AJUSTABLE D'UN MECANISME DE TOURBILLON ET METHODE D'AJUSTEMENT**
[72] BRAUN, TONY, DE
[71] GLASHUTTER UHRENBETRIEB GMBH, DE
[22] 2021-07-12
[41] 2022-04-19
[30] EP (20202613.4) 2020-10-19

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[13] A1
[51] **Int.Cl. F16L 15/06 (2006.01) E21B 17/042 (2006.01)**
[25] EN
[54] **LEAK-RESISTANT THREADED PIPE CONNECTION**
[54] **RACCORD DE TUYAU FILETE RESISTANT AUX FUITES**
[72] WICKANDER, NELS PETER, US
[72] DALLAS, LLOYD MURRAY, US
[71] FRAC STRING SOLUTIONS LLC, US
[22] 2021-07-27
[41] 2022-04-22
[30] US (17/078,018) 2020-10-22

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[13] A1
[51] **Int.Cl. C02F 9/12 (2006.01) C02F 1/32 (2006.01) C02F 1/74 (2006.01) C02F 1/78 (2006.01) C02F 3/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TREATING CONTAMINATED WATER**
[54] **SYSTEME ET METHODE DE TRAITEMENT D'EAUX CONTAMINEES**
[72] CHHIBBER, ANIL KUMAR, CA
[72] FORBES, PETER STEWARD, CA
[72] SONI, VISHAL, CA
[72] BRAR, HARJOT, CA
[72] KLINGBEIL, KURT WHILHELM, CA
[71] KEWEST EQUIPMENT CORP., CA
[22] 2021-07-29
[41] 2022-04-21
[30] US (63/094,439) 2020-10-21

[21] **3,126,640**
[13] A1
[51] **Int.Cl. H02S 40/00 (2014.01) E04D 13/10 (2006.01)**
[25] EN
[54] **SNOW HOOK FOR SOLAR PANELS**
[54] **CROCHET GARDE-NEIGE POUR PANNEAUX SOLAIRES**
[72] APAK, YAVUZ, CH
[71] APAK, YAVUZ, CH
[22] 2021-08-03
[41] 2022-04-19
[30] CH (01342/20) 2020-10-19

[21] **3,127,200**
[13] A1
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[72] ZHA, WEI, US
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[54] **INJECTEURS ET METHODE DE PURGE DES INJECTEURS**
[72] CIRTWILL, JOSEPH, CA
[72] ZHOU, JIAN-MING, CA
[72] MCCALDON, KIAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[54] **PAIRAGE MAILLE BLUETOOTH DE FAIBLE ENERGIE POUR L'INTERRUPTION D'ALIMENTATION**
[72] ZAVERUHA, RYAN A., US
[72] HAMLIN, ROBERT W., US
[71] ABL IP HOLDING LLC, US
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[54] **BRAKE PAD ASSEMBLY FOR A BICYCLE & METHOD FOR ASSEMBLING A BRAKE PAD ASSSEMBLY FOR A BICYCLE**
[54] **ASSEMBLAGE DE PLAQUETTE DE FREIN POUR UN VELO ET METHODE D'ASSEMBLAGE**
[72] ARBESMAN, ROMAN, CA
[71] NUCAP INDUSTRIES, INC., CA
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[54] **WINDROWER HEADER FLOATATION SYSTEM HAVING ASSISTED DOWNFORCE CONTROL WITH DOWNFORCE RETURN VALVE**
[54] **SYSTEME DE FLOTTATION DE TABLIER D'ANDAINEUSE AYANT UNE COMMANDE DE DEPORTANCE ASSISTEE AVEC UN ROBINET DE RETOUR DE DEPORTANCE**
[72] KRAUS, TIMOTHY J., US
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[54] **TRAITEMENT DE DOSSIERS DE DONNEES COMPLEXES**
[72] DUPONT, DELPHINE VIVIANE, FR
[72] MYTYCH, FRANCOIS-JOSEPH, FR
[72] TRESCASES, CLEMENT PAUL JEAN-BAPTISTE, FR
[72] HENNION, FLORIAN, FR
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[54] **SYSTEME DE FLOTTATION DE TABLIER A DEBIT VARIABLE POUR ANDAINEUSE**
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[54] **SYSTEME D'AJUSTEMENT AUTOMATISE FLOTTATION DE TABLIER POUR UNE MACHINE AGRICOLE**
[72] KRAUS, TIMOTHY J., US
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[54] **WINDROWER HEADER FLOATATION SYSTEM HAVING ASSISTED DOWNFORCE CONTROL**
[54] **SYSTEME DE FLOTTATION DE TABLIER D'ANDAINEUSE AYANT UN CONTROLE DE DEPORTANCE ASSISTEE**
[72] KRAUS, TIMOTHY J., US
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[54] **METHODES, APPAREILS ET ARTICLES FABRIQUES POUR AFFICHER LES VOIES D'ACQUISITION**
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[72] ATHENS, CLAUDIA R., US
[72] THANKAPPAN PILLAI, AJIT K., US
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[54] **GENERATION AUTOMATISEE DE VECTEURS D'ESSAI**
[72] ROLLINI, SIMONE FULVIO, IT
[72] NORTH, ROB C., US
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[72] JORKAMA, MARKO, FI
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[72] KALAVATHI, SUNIL, US
[72] MERVIN, TODD A., US
[72] HENSEL, ROBERT J., US
[71] NOVA TECHNOLOGY INTERNATIONAL, LLC, US
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[71] PHD, INC., US
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[54] **CYLINDRE REMPLI DE GAZ COMPORTANT UN DISPOSITIF DE SECURITE DE DEPASSEMENT DE COURSE**
[72] FIORESE, MASSIMO, IT
[72] BORDIN, FRANCESCO, IT
[72] TODESCO, MATTIA, IT
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[54] **MATERIEL PEDAGOGIQUE POUR LE MOUVEMENT DE PEDALE ROTATIF D'UN VEHICULE ROULANT A PEDALES**
[72] RZESNOSKI, PERRY CURTIS, CA
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[72] KUZNIAR, JAKUB, PL
[72] BARCIAK, KAZIMIERZ, PL
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
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[54] **POIGNEE DE ROBINET ENCLIQUETABLE**
[72] TANG, YILIN, CN
[72] DEVRIES, ADAM M., US
[72] THOMAS, KURT JUDSON, US
[71] DELTA FAUCET COMPANY, US
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[54] **SYSTEM AND METHOD FOR ASSESSING TRUTHFULNESS IN MEDIA CONTENT**
[54] **SYSTEME ET METHODE POUR EVALUER LA VERACITE DU CONTENU MEDIATIQUE**
[72] BAYLISS, MORGAN, CA
[71] BAYLISS, MORGAN, CA
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[54] **METHODS AND SYSTEMS FOR DETERMINING A SYNTHESIZED ENGINE PARAMETER**
[54] **METHODES ET SYSTEMES POUR DETERMINER UN PARAMETRE DE MOTEUR SYNTHETISE**
[72] MIRZAHEKMATI, DARYOUSH, CA
[72] SABAU, IOAN, CA
[72] TANG, POI LOON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[54] **DIFFERENTES LIMITES POUR DES FONCTIONS D'APPAREIL AVEC UNE CLOTURE VIRTUELLE POUR EVITER D'ENDOMMAGER LES PNEUS OU LA STRUCTURE**
[72] KUEHN, JEFFREY L., US
[72] GENTLE, MICHAEL C., US
[71] CATERPILLAR, INC., US
[71] JONES, VINCENT D., US
[71] HILL, MICHAEL S., US
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[54] **DETECTION AMELIOREE DE L'ANIMATION DANS LES DONNEES D'IMAGES FACIALES**
[72] PEREZ-ROVIRA, ADRIA, ES
[71] DAON HOLDINGS LIMITED, KY
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[54] **METHOD AND SYSTEM FOR THRUST REVERSER OPERATION**
[54] **METHODE ET SYSTEME D'OPERATION DE RENVERSEUR DE POUSSEE**
[72] ASSI, HAMZA, CA
[72] SYED, YUSUF, CA
[72] SABAU, IOAN, CA
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[54] **PROCESS AND PLANT FOR PRODUCING CO-RICH SYNTHESIS GAS BY PARTIAL OXIDATION**
[54] **PROCEDE ET PLANTE POUR PRODUIRE UN GAZ DE SYNTHESE RICHE EN CO PAR OXYDATION PARTIELLE**
[72] MUELLER-HAGEDORN, MATTHIAS, DE
[72] ARAS, GOEKHAN, DE
[72] SCHLICHTING, HOLGER, DE
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
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[54] **UNITE DE PROPULSION ELECTRIQUE INTEGREE**
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[72] KARIMI, KAMIAR J., US
[72] SOLODOVNIK, EUGENE V., US
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[72] DARMSTADT, PATRICK R., US
[72] BECKMAN, MARY E., US
[72] SILVA, ALEJANDRO, US
[72] SILVERI, NICHOLAS J., US
[72] ZIDOVETZKI, ESTHER S., US
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[72] FERGUSSON, CHRISTOPHER J., US
[72] MAUNEY, RONALD C., US
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[54] **METHODE ET SYSTEME POUR ENREGISTRER DES IMAGES D'ETUDIANTS**
[72] RUTHERFORD, SEAN DAVID PAUL, CA
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[54] **POMPE DE DISTRIBUTION POUR DES SYSTEMES DE VENTE DE CARBURANT**
[72] VARINI, OTTO, IT
[71] PIUSI S.P.A., IT
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[54] **APPARATUSES FOR ALTERING FLUID FLOW IN DOWNHOLE PUMPS AND RELATED ASSEMBLIES AND METHODS**
[54] **APPAREILS POUR MODIFIER L'ECOULEMENT DANS DES POMPES DE FOND DE TROU ET ENSEMBLES ET METHODES CONNEXES**
[72] COYES, CORBIN, CA
[72] QUINN, JORDY, CA
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[54] **TERMINAUX, METHODE DE TRAITEMENT DE L'INFORMATION ET SUPPORT DE STOCKAGE NON TRANSITOIRE**
[72] UENO, TAKAHARU, JP
[72] NAGATA, YU, JP
[72] TANAKA, YURIKA, JP
[72] KOBAYASHI, RYOSUKE, JP
[72] MATSUTANI, SHINTARO, JP
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[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
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[54] **PROCEDE DE RECYCLAGE VALORISANT POUR TRAITER LES DECHETS DE SILICONE**
[72] KNOTT, WILFRIED, DE
[72] DUDZIK, HORST, DE
[72] SCHAEFER, DIETMAR, DE
[71] EVONIK OPERATIONS GMBH, DE
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[54] **PLAQUE POLYMET AYANT UNE VOIE DE CONDUCTION ELECTRIQUE AMELIOREE ET UNE CORROSION REDUITE POUR UNE PILE A COMBUSTIBLE**
[72] SONKAR, KAPIL, IN
[72] JINDAL, TARUN, IN
[72] CHUGH, SACHIN, IN
[72] SHARMA, ALOK, IN
[72] KAPUR, GURPREET SINGH, IN
[72] RAMAKUMAR, SANKARA SRI VENKATA, IN
[71] INDIAN OIL CORPORATION LIMITED, IN
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[54] **PINCE POUR SYSTEME DE DRAINAGE URINAIRE**
[72] LINDSAY, ERIN JESSICA, US
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[54] **POP-UP WITH LOCK MECHANISM**
[54] **STRUCTURE MONTEE COMPRENANT UN MECANISME DE VERROUILLAGE**
[72] BUCCO, JOSEPH, US
[71] AMERICAN GREETINGS CORPORATION, US
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[54] **APPAREIL DE MOULAGE PAR INJECTION AVEC BLOCAGE ANGULAIRE**
[72] JACOB, KENNETH, US
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[54] **GUIDE A ROULEAUX MULTIPLES**
[72] RAKOWSKI, GREGORY A., US
[72] BEDORD, BRADLEY J., US
[72] JOHNSTON, DANIEL J., US
[71] PATZ CORPORATION, US
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[54] **METHOD FOR MANUFACTURING A COMPOSITE GUIDE VANE HAVING A METALLIC LEADING EDGE**
[54] **METHODE DE FABRICATION D'UNE AUBE DIRECTRICE COMPOSITE AYANT UN BORD D'ATTAQUE METALLIQUE**
[72] BARNETT, BARRY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[54] **FILTERING TIP FOR AN INJECTABLE PRODUCT AND ASSOCIATED FILTERING KIT**
[54] **EMBOUT DE FILTRATION D'UN PRODUIT INJECTABLE ET KIT DE FILTRATION ASSOCIE**
[72] BAUDRY, NICOLAS, FR
[71] EDEC, FR
[22] 2021-10-15
[41] 2022-04-22
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[13] A1
[51] **Int.Cl. B60P 7/02 (2006.01) B60J 11/06 (2006.01)**
[25] EN
[54] **LIMITING STRUCTURE AND A REAR COMPARTMENT COVER SYSTEM FOR A PICKUP TRUCK**
[54] **STRUCTURE DE LIMITATION ET SYSTEME DE COUVERTURE DU COMPARTIMENT ARRIERE POUR UNE CAMIONNETTE**
[72] WENG, RONGJIE, CN
[72] WENG, FANGLIANG, CN
[72] CAI, YAOTING, CN
[71] NINGBO DIROAN AUTO ACCESSORIES CO., LTD., CN
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[25] EN
[54] **SORTING SYSTEM AND CORRESPONDING METHOD**
[54] **SYSTEME DE TRI ET METHODE CORRESPONDANTE**
[72] LAPOINTE, BILLY, CA
[71] PREMIER TECH TECHNOLOGIES LTEE, CA
[22] 2021-10-15
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[51] **Int.Cl. H04L 67/148 (2022.01)**
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[54] **NETWORK STATE SYNCHRONIZATION FOR WORKLOAD MIGRATIONS IN EDGE DEVICES**
[54] **SYNCHRONISATION D'ETAT DE RESEAU POUR LES TRANSFERTS DE CHARGE DE TRAVAIL DANS LES DISPOSITIFS D'ACCES**
[72] BHIDE, PARAG DATTATRAYA, US
[72] VENKATA, RATNANANDA GANESH DONTULA, US
[72] THAYALAN, PRABU, US
[72] HALDER, BARUN, US
[72] SIKDAR, ROHAN, US
[71] PENSANDO SYSTEMS INC., US
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[25] FR
[54] **ADJUSTABLE SLED**
[54] **LUGE MODULABLE**
[72] MAILLARD, OCTAVIEN, FR
[72] BONNAFOUS, JEAN-BAPTISTE, FR
[72] BOUSCH, THOMAS, FR
[71] DECATHLON, FR
[22] 2021-10-15
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[51] **Int.Cl. H02G 3/06 (2006.01) F16L 3/26 (2006.01) F16L 13/14 (2006.01)**
[25] EN
[54] **COMPRESSIBLE CONDULET DEVICES, ASSEMBLIES, SYSTEMS AND METHODS FOR ELECTRICAL RACEWAY FABRICATION**
[54] **DISPOSITIFS DE RACCORDS DE TUBES COMPRESSIBLES, ASSEMBLAGES, SYSTEMES ET METHODES POUR LA FABRICATION D'UN CHEMIN DE CABLES ELECTRIQUES**
[72] LOPEZ, JOSEPH VINCENT, US
[72] KHOKLE, HIMANSHU GANGADHAR, IN
[72] SCARLATA, ANDREW F., US
[71] EATON INTELLIGENT POWER LIMITED, IE
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[25] EN
[54] **PIR OCCUPANCY ESTIMATION SYSTEM**
[54] **SYSTEME D'ESTIMATION DE L'OCCUPATION PAR INFRAROUGE PROCHE**
[72] DE VAZ, DMITRI JUDE, CA
[72] KWONG, ROBERT CHRISTOPHER, CA
[72] MUSTAPHA, GAMAL KAZIM, CA
[71] DELTA CONTROLS INC., CA
[22] 2021-10-18
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[25] EN
[54] **PLATFORM LIFT FOR RAILROAD CAR MOVING VEHICLE**
[54] **PLATEFORME ELEVATRICE POUR UN VEHICULE DE DEPLACEMENT DE WAGONS**
[72] SHARP, BRIAN, US
[72] RIELLY, JOE, US
[72] DRUMMOND, MATTHEW, US
[71] STEWART & STEVENSON LLC, US
[22] 2021-10-18
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[25] EN
[54] **REUSABLE AND ADJUSTABLE HEAT-INSULATING BONNET AND A CAPE COMBINATION FOR USE IN HAIR TREATMENT**
[54] **COMBINAISON DE BONNET ET DE CAPE CALORIFUGES REUTILISABLES ET AJUSTABLES A UTILISER DANS LE TRAITEMENT DES CHEVEUX**
[72] LANDRY-SAVARD, KIM, CA
[71] LANDRY-SAVARD, KIM, CA
[22] 2021-10-18
[41] 2022-04-19
[30] GB (2016590.8) 2020-10-19

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[51] **Int.Cl. A01K 61/13 (2017.01) A01K 61/90 (2017.01) A01K 61/95 (2017.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR INDIVIDUAL TREATMENT OF FISH**
[54] **METHODE ET SYSTEME POUR LE TRAITEMENT INDIVIDUEL DE POISSON**
[72] OLSEN, TOMMY OLE, NO
[71] ENDEAVOUR MANAGEMENT AS, NO
[22] 2021-10-18
[41] 2022-04-23
[30] NO (20201158) 2020-10-23

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[25] EN
[54] **PLUG-IN POWER DISTRIBUTION UNIT FOR MODULAR ELECTRICAL SYSTEMS**
[54] **UNITE DE DISTRIBUTION D'ALIMENTATION BRANCHEE POUR SYSTEMES ELECTRIQUES MODULAIRES**
[72] VANDER TILL, GERALD N., US
[71] BYRNE, NORMAN R., US
[22] 2021-10-18
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[25] EN
[54] **MULTIFUNCTION VEHICLE LAMP**
[54] **LAMPE DE VEHICULE MULTIFONCTIONNELLE**
[72] PAMPATTIWAR, SANKALP, US
[72] KUBAL, YOGESH, US
[72] PEREZ-BOLIVAR, CESAR, US
[71] GROTE INDUSTRIES, INC., US
[22] 2021-10-18
[41] 2022-04-19
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[51] **Int.Cl. B64F 5/40 (2017.01) B64F 5/60 (2017.01) B64C 11/00 (2006.01) F16F 15/32 (2006.01) G01M 1/22 (2006.01) G01M 1/28 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROPELLER BALANCING**
[54] **SYSTEME ET PROCEDE D'EQUILIBRAGE D'HELICE**
[72] LEE, PETER, CA
[72] TSANG, JENNIFER ERIN, CA
[72] O'MALLEY, JOHN PETER, III, CA
[72] WIGNY, ROBERT, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-10-19
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[51] **Int.Cl. B64F 5/40 (2017.01) B64F 5/60 (2017.01) B64C 11/00 (2006.01) F16F 15/32 (2006.01) G01M 15/14 (2006.01) G01M 1/22 (2006.01) G01M 1/32 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROPELLER BALANCING**
[54] **SYSTEME ET PROCEDE D'EQUILIBRAGE D'HELICE**
[72] TSANG, JENNIFER ERIN, CA
[72] SIDDIQUI, MOHAMMED ABDURRAHEEM, CA
[72] WIGNY, ROBERT, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[51] **Int.Cl. A62B 9/00 (2006.01) A62B 9/02 (2006.01) A62B 9/04 (2006.01)**
[25] EN
[54] **INTEGRATED MANIFOLD SYSTEM**
[54] **SYSTEME DE COLLECTEUR INTEGRE**
[72] MAYHUE, CLINTON, CAIN, US
[72] WILCOX, JAMES, US
[72] MARTIN, JOSEPH, CRAIG, US
[71] AVON PROTECTION SYSTEMS, INC., US
[22] 2021-10-19
[41] 2022-04-20
[30] US (17/074,903) 2020-10-20

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[51] **Int.Cl. B66F 9/12 (2006.01) A01D 87/12 (2006.01)**
[25] EN
[54] **IMPROVED FORK-CARRIER**
[54] **APPAREIL DE TRANSPORT A FOURCHES AMELIORE**
[72] IOTTI, MARCO, IT
[71] MANITOU ITALIA S.R.L., IT
[22] 2021-10-19
[41] 2022-04-23
[30] IT (102020000025180) 2020-10-23

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[51] **Int.Cl. F21V 25/10 (2006.01) H01R 9/24 (2006.01) H02H 9/04 (2006.01)**
[25] EN
[54] **SURGE IMMUNE VERSATILE TERMINAL BLOCK ASSEMBLY**
[54] **ASSEMBLAGE DE PLAQUE A BORNES VERSATILE PROTEGEE CONTRE LES SURTENSIONS**
[72] CHINNAM, SOLOMON RAJU STANLEY, US
[72] SMITH, WILLIAM LORNE, US
[71] CHINNAM, SOLOMON RAJU STANLEY, US
[22] 2021-10-19
[41] 2022-04-19
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[51] **Int.Cl. B28B 1/29 (2006.01) B82Y 20/00 (2011.01) C04B 35/622 (2006.01) C04B 35/64 (2006.01) G02B 1/00 (2006.01) G02B 5/30 (2006.01)**
[25] EN
[54] **MESOMORPHIC CERAMICS FILMS VIA BLADE COATING OR NANOROD SUSPENSIONS FOR HIGH-POWER LASER APPLICATIONS**
[54] **PELLICULES CERAMIQUES MESOMORPHIQUES APPLIQUEES PAR REVETEMENT A LA LAME OU PAR SUSPENSIONS DE NANOTIGES POUR DES APPLICATIONS DE LASER HAUTE PUISSANCE**
[72] CHEN, SHAW H., US
[72] ANTHAMATTEN, MITCHELL, US
[71] UNIVERSITY OF ROCHESTER, US
[22] 2021-10-19
[41] 2022-04-19
[30] US (63/093,639) 2020-10-19
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[51] **Int.Cl. G07F 17/32 (2006.01) G06K 19/07 (2006.01)**
[25] EN
[54] **CASINO SYSTEM**
[54] **SYSTEME DE CASINO**
[72] SHIGETA, YASUSHI, JP
[71] ANGEL GROUP CO., LTD., JP
[22] 2021-10-19
[41] 2022-04-21
[30] JP (JP2020-176900) 2020-10-21

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[25] EN
[54] **CASINO SYSTEM**
[54] **SYSTEME DE CASINO**
[72] SHIGETA, YASUSHI, JP
[71] ANGEL GROUP CO., LTD., JP
[22] 2021-10-19
[41] 2022-04-21
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[51] **Int.Cl. A63B 59/70 (2015.01) D03D 15/275 (2021.01) D03D 13/00 (2006.01)**
[25] EN
[54] **3D WEAVING MATERIAL AND METHOD OF 3D WEAVING FOR SPORTING IMPLEMENTS**
[54] **MATERIAU DE TISSAGE 3D ET METHODE DE TISSAGE 3D POUR DES EQUIPEMENTS SPORTIFS**
[72] CARON KARDOS, JEAN-FREDERIK, CA
[72] DUCHARME, MATHIEU, CA
[71] BAUER HOCKEY LTD., CA
[22] 2021-10-19
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[25] EN
[54] **STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE**
[72] JENKINS, J. LUKE, US
[72] GROVES, JEFFREY, US
[72] KNIGHT, TYLER H., US
[72] HUGHETT, STEPHEN A., US
[71] TECHTRONIC CORDLESS GP, US
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[51] **Int.Cl. A24F 40/57 (2020.01) A24F 40/40 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **CERAMIC HEATING ELEMENT WITH EMBEDDED TEMPERATURE SENSOR AND ELECTRONIC VAPORIZER HAVING A CERAMIC HEATING ELEMENT WITH EMBEDDED TEMPERATURE SENSOR**
[54] **ELEMENT CHAUFFANT EN CERAMIQUE AVEC CAPTEUR DE TEMPERATURE ENCASTRE ET VAPORISATEUR ELECTRONIQUE AYANT UN ELEMENT CHAUFFANT EN CERAMIQUE AVEC CAPTEUR DE TEMPERATURE ENCASTRE**
[72] ROSEN, JAMIE MICHAEL, US
[72] ORTEGA, CHRISTOPHER MARTIN, US
[72] ATALIOTIS, PANTELIS COSTAS, US
[71] DR. DABBER INC., US
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[41] 2022-04-20
[30] US (17/347,676) 2021-06-15
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[25] EN
[54] **CANNABINOID EMULSIONS**
[54] **EMULSIONS DE CANNABINOIDE**
[72] HOLTHAUS, DEREK, US
[72] LUPITSKYY, ROBERT, US
[72] MAGNESS, SCOTT, US
[71] CORN PRODUCTS DEVELOPMENT, INC., US
[22] 2021-10-20
[41] 2022-04-21
[30] US (63/094,520) 2020-10-21

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[51] **Int.Cl. F16L 55/46 (2006.01) B08B 9/057 (2006.01) F23J 3/02 (2006.01) F28G 1/12 (2006.01) F28G 15/04 (2006.01)**
[25] EN
[54] **PROJECTILE LAUNCHERS AND METHODS OF MANUFACTURE AND USE THEREOF**
[54] **LANCE-PROJECTILES ET METHODES DE FABRICATION ET D'UTILISATION**
[72] ROBB, TIM, US
[72] HARDY, MICHAEL, US
[72] CECI, VICTOR, US
[72] BITONDO, STEVE, US
[72] FRANZINO, JOSEPH, US
[71] DIVERSITECH CORPORATION, US
[22] 2021-10-20
[41] 2022-04-20
[30] US (17/074,869) 2020-10-20

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[51] **Int.Cl. B65D 30/08 (2006.01) B31B 70/00 (2017.01) B31B 70/14 (2017.01) B31B 70/62 (2017.01) B65D 30/04 (2006.01) B65D 30/20 (2006.01)**
[25] EN
[54] **WOVEN PLASTIC BAGS WITH FEATURES THAT REDUCE LEAKAGE, BREAKAGE, AND INFESTATIONS**
[54] **SACS DE PLASTIQUE TISSES PRESENTANT DES CARACTERISTIQUES REDUISANT LES FUITES, LES BRIS ET LES INFESTATIONS**
[72] BAZBAZ, JACOBO, US
[72] ZAROLI, ALBERTO, US
[71] POLYTEX FIBERS LLC, US
[22] 2021-10-18
[41] 2022-04-22
[30] US (17/077,725) 2020-10-22

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[51] **Int.Cl. A24F 40/40 (2020.01)**
[25] EN
[54] **QUICK CONNECT ADAPTER AND ELECTRONIC VAPORIZER HAVING A CERAMIC HEATING ELEMENT HAVING A QUICK CONNECT ADAPTER**
[54] **ADAPTATEUR A RACCORD RAPIDE ET VAPORISATEUR ELECTRONIQUE AYANT UN ELEMENT CHAUFFANT EN CERAMIQUE COMPRENANT L'ADAPTATEUR A RACCORD RAPIDE**
[72] ROSEN, JAMIE MICHAEL, US
[72] ORTEGA, CHRISTOPHER MARTIN, US
[72] ATALIOTIS, PANTELIS COSTAS, US
[71] DR. DABBER INC., US
[22] 2021-10-20
[41] 2022-04-20
[30] US (17/075545) 2020-10-20

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[13] A1
[51] **Int.Cl. G06V 30/41 (2022.01) G06V 10/20 (2022.01) G06V 10/77 (2022.01) G06V 10/80 (2022.01) G06N 3/04 (2006.01)**
[25] EN
[54] **CHARACTER POSITIONING METHOD AND SYSTEM FOR CERTIFICATE DOCUMENT**
[54] **METHODE DE POSITIONNEMENT DE CARACTERE ET SYSTEME DE CERTIFICAT**
[72] WANG, YUAN, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-10-20
[41] 2022-04-20
[30] CN (202011127259.4) 2020-10-20

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[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **VALUABLE-REWARDS-RELATED-DATA PROCESSING METHOD, APPARUTUS, COMPUTER DEVICE AND STORAGE MEDIUM**
[54] **PROCEDE DE TRAITEMENT DE DONNEES SUR DES RECOMPENSES PRECIEUSES, APPAREIL, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] ZHANG, QING, CN
[72] GUO, WENQIN, CN
[72] WANG, XIAOYAN, CN
[72] SI, XIAOBO, CN
[72] DIAO, AINA, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-10-20
[41] 2022-04-20
[30] CN (202011125118.9) 2020-10-20

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[25] EN
[54] **CANNABINOID EMULSIONS**
[54] **EMULSIONS DE CANNABINOIDE**
[72] HOLTHAUS, DEREK, US
[72] NGUYEN, QUYEN, US
[72] MAGNESS, SCOTT, US
[71] CORN PRODUCTS AND DEVELOPMENT, INC., US
[22] 2021-10-20
[41] 2022-04-21
[30] US (63/094701) 2020-10-21

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[13] A1
[51] **Int.Cl. G01P 3/481 (2006.01)**
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[54] **WHEEL SPEED SENSOR**
[54] **CAPTEUR DE VITESSE DE ROUE**
[72] ZHOU, NIANQING (JASON), US
[72] ZULA, DANIEL P., US
[72] INTAGLIATA, JON D., US
[72] FRASHURE, TIMOTHY J., US
[72] MACNAMARA, JOSEPH M., US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[22] 2021-10-19
[41] 2022-04-22
[30] US (17/076,966) 2020-10-22

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[13] A1
[51] **Int.Cl. B25H 3/00 (2006.01) A45F 5/00 (2006.01)**
[25] EN
[54] **CARRIER HAVING A RIGID CONTAINER AND SLEEVE ORGANIZER**
[54] **SUPPORT PRESENTANT UN CONTENANT RIGIDE ET UN ORGANISATEUR CHEMISE**
[72] WILLIAMS, MATTHEW, HK
[72] LAM, RICKY, HK
[71] GROWN-UP LICENSES LIMITED, HK
[22] 2021-10-21
[41] 2022-04-21
[30] US (17/504,844) 2021-10-19
[30] US (63/094,447) 2020-10-21

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[13] A1
[51] **Int.Cl. E06B 9/08 (2006.01) B65H 79/00 (2006.01) F16P 1/02 (2006.01) G06F 3/041 (2006.01)**
[25] EN
[54] **PROTECTIVE BARRIER ASSEMBLY AND METHOD**
[54] **ASSEMBLAGE DE BARRIERE PROTECTRICE ET METHODE**
[72] CALABRESE, GEORGE ANTHONY, CA
[72] CALABRESE, MATTHEW DAVID, CA
[71] GREAT BARRIER SOLUTIONS INC., CA
[22] 2021-10-20
[41] 2022-04-22
[30] US (63/104,028) 2020-10-22

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[13] A1
[51] **Int.Cl. H05K 7/20 (2006.01) H04W 88/08 (2009.01) B64D 47/00 (2006.01) H05K 5/02 (2006.01)**
[25] EN
[54] **SECURE AVIONCS WIRELESS ACCESS POINT DEVICE WITH HEAT SINK ENCLOSURE**
[54] **DISPOSITIF DE POINT D'ACCES SANS FIL AVIONIQUE SECURISE COMPRENANT UNE ENCEINTE DE DISSIPATEUR DE CHALEUR**
[72] EIDSNESS, CHARLES, CA
[71] CCX TECHNOLOGIES, CA
[22] 2021-10-21
[41] 2022-04-23
[30] US (63104712) 2020-10-23

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[13] A1
[51] **Int.Cl. F28B 9/00 (2006.01) F28C 1/14 (2006.01) F28F 25/08 (2006.01) F28F 27/00 (2006.01)**
[25] EN
[54] **ADIABATIC CONDENSER WITH SPLIT COOLING PADS**
[54] **CONDENSATEUR ADIABATIQUE AVEC BLOCS DE REFROIDISSEMENT SEPARES**
[72] KUPPUSAMY, KARTHICK, US
[71] HEATCRAFT REFRIGERATION PRODUCTS LLC, US
[22] 2021-10-21
[41] 2022-04-21
[30] US (17/076,424) 2020-10-21

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[13] A1
[51] **Int.Cl. H02G 3/06 (2006.01) H02G 3/30 (2006.01)**
[25] EN
[54] **LOCKING SNAP-ON SPLICE FOR CABLE BASKET**
[54] **JONCTION DE CABLES ENCLIQUETABLE A VERROU POUR PANIER A FIL**
[72] SLEDZINSKI, BON B., US
[72] WEST, DAVID W., US
[71] PANDUIT CORP., US
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[54] **COQUILLE DE SECURITE DURCIE PAR ECROUISSAGE POUR UNE CHAUSSURE**
[72] DULUDE, RYAN, US
[71] TBL LICENSING LLC, US
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[54] **VEHICLE LIFT FOR MOBILITY DEVICE**
[54] **APPAREIL DE LEVAGE DE VEHICULE POUR UN DISPOSITIF DE MOBILITE**
[72] TOOLAN, DANIEL PATRICK, US
[72] NASH, DEREK JAMES, US
[72] BAXTER, DAVID RUSSEL, US
[71] HARMAR MOBILITY, LLC, US
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[54] **TECHNOLOGIES FOR ACTIVITY MONITORING OF TRANSPORTATION NETWORK COMPANIES WITHIN A GEOFENCE**
[54] **TECHNOLOGIES DE SURVEILLANCE DES ACTIVITES D'ENTREPRISES DE RESEAUX DE TRANSPORT DANS UN PERIMETRE VIRTUEL**
[72] FINLEY, JONATHAN D., US
[71] GATEKEEPER SYSTEMS, INC., US
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[54] **STABLE LIFTING HOOK**
[54] **CROCHET DE LEVAGE STABLE**
[72] GARDINER, CLARENCE E., US
[71] EQUIPMENT CORPORATION OF AMERICA, US
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[54] **PROCESS FOR PROVIDING STEAM FOR A HYDROCARBON RECOVERY PROCESS**
[54] **PROCEDE SERVANT A FOURNIR DE LA VAPEUR POUR UN PROCEDE DE RECUPERATION D'HYDROCARBURES**
[72] ANDERSON, TIMOTHY BENNET, CA
[71] CENOVUS ENERGY INC., CA
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[54] **APPARATUS OF OPTICAL TRANSMITTERS AND RECEIVERS OPERATING IN LONG WAVE INFRARED WAVELENGTH RANGES**
[54] **APPAREIL DE TRANSMETTEURS ET DE RECEPTEURS OPTIQUES FONCTIONNANT DANS LES TRANCHES DE LONGUEURS D'ONDE DE L'INFRAROUGE A ONDE LONGUE**
[72] XU, CHANG-QING, CA
[72] FLANNIGAN, LIAM, CA
[72] KNELLER, JOSHUA, CA
[71] MCMASTER UNIVERSITY, CA
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[54] **MULTI-LAYER PACKAGING PAD**
[54] **COUSSINS D'EMBALLAGE MULTICOUCHES**
[72] CLARKE, THOMAS F., CA
[72] HANSTOCK, MICHAEL SEAN, CA
[71] WESTERN PLASTICS, INC., CA
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[54] **STRETCHABLE WATERPROOF LINER**
[54] **DOUBLURE IMPERMEABLE ELASTIQUE**
[72] DULUDE, RYAN, US
[71] TBL LICENSING LLC, US
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[54] **PAYMENT CODE DISPLAY METHOD AND SYSTEM**
[54] **METHODE ET SYSTEME D'AFFICHAGE DE CODE DE PAIEMENT**
[72] ZHANG, YU, CN
[71] 10353744 CANADA LTD., CA
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[54] **METHODE ET DISPOSITIF DE CONTROLE DU RISQUE FINANCIER FONDES SUR LE MODE DE CHAINE DE RESPONSABILITE**
[72] ZHU, MING, CN
[72] WANG, ZHENYU, CN
[72] ZHOU, QING, CN
[71] 10353744 CANADA LTD., CA
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[54] **PANEL INSTALLATION SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D'INSTALLATION DE PANNEAU**
[72] LOYD, STEPHEN N., US
[72] MAY, WILLIAM TY, US
[71] STEPHEN N. LOYD IRREVOCABLE FAMILY TRUST, US
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[54] **ACTIONNEMENT D'ENSEMBLE DE SOLENOIDE AU MOYEN D'UN CIRCUIT DE COMMANDE DE COURANT DE LA FREQUENCE DE RESONANCE**
[72] SHAFFER, RANDALL, US
[71] HANCHETT ENTRY SYSTEMS, INC., US
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[54] **EAVESTROUGH DEBRIS GUARD**
[54] **DISPOSITIF DE PROTECTION CONTRE LES DEBRIS DE GOUTTIERES**
[72] NEEB, TIMOTHY HOWARD, CA
[72] ZIMMERMANN, TRISTAN, CA
[71] 5002193 ONTARIO INC., CA
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[54] **A METHOD AND SYSTEM FOR TOPK OPERATION**
[54] **METHODE ET SYSTEME POUR L'EXECUTION D'UNE INSTRUCTION DU « K » LE PLUS ELEVE**
[72] SODANI, AVINASH, US
[72] HANEBUTTE, ULF, US
[71] MARVELL ASIA PTE LTD, SG
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[54] **SYSTEMS AND METHODS FOR SIMULATING ANIMATION OF AN OBJECT**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE SIMULER L'ANIMATION D'UN OBJET**
[72] STENDEBACH, LARRY J., US
[71] STACK'S-BOWERS NUMISMATICS, LLC, US
[22] 2021-10-22
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[54] **VISION PRODUCT INFERENCE BASED ON PACKAGE DETECT AND BRAND CLASSIFICATION WITH ACTIVE LEARNING**
[54] **INFERENCE DE PRODUIT DE VISION FONDEE SUR LA DETECTION DE COLIS ET LA CLASSIFICATION DE MARQUE PAR APPRENTISSAGE ACTIF**
[72] JACKSON, PETER DOUGLAS, US
[72] MARTIN, ROBERT LEE, JR, US
[72] THYER, DANIEL JAMES, US
[72] BROWN, JUSTIN MICHAEL, US
[71] REHRIG PACIFIC COMPANY, US
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[54] **DEVICE FOR HANGING CAPTURED GAME**
[54] **DISPOSITIF POUR SUSPENDRE UN JEU CAPTURE**
[72] HILLER, JENNIFER LEIGH, US
[72] HILLER, MICHAEL JAMES, US
[71] HANGRY BRAND ENTERPRISES, L.L.C., US
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[54] **SYSTEME ET METHODE POUR UNE INTERFACE DE LANGAGE NATUREL TRANSFERABLE**
[72] CAO, YANSHUAI, CA
[72] XU, PENG, CA
[72] TANG, KEYI, CA
[72] YANG, WEI, CA
[72] ZI, WENJIE, CA
[72] LONG, TENG, CA
[72] CHEUNG, JACKIE CHIT KIT, CA
[72] HUANG, CHENYANG, CA
[72] MOU, LILI, CA
[72] SHAHIDI, HAMIDREZA, CA
[72] KADAR, AKOS, CA
[71] ROYAL BANK OF CANADA, CA
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[54] **METHODE DE RECONNAISSANCE AUTOMATIQUE ET SYSTEME DE CERTIFICAT**
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[72] CHU, ZHE, CN
[72] LI, YULIANG, CN
[71] 10353744 CANADA LTD., CA
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[54] **METHOD AND DEVICE FOR PROCESSING CREDIT DATA**
[54] **METHODE ET DISPOSITIF DE TRAITEMENT DE DONNEES DE CREDIT**
[72] LIU, QIAN, CN
[72] XU, SHANG, CN
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[54] **COLLAPSIBLE AERIAL FIREFIGHTING BUCKETS**
[54] **SEAU DE LUTTE AERIENNE CONTRE LES INCENDIES ESCAMOTABLE**
[72] ARNEY, DONALD BRIAN, CA
[71] DONMARK HOLDINGS INC., CA
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[54] **APPARATUS FOR AUTOMATED APPLICATION OF A SOLUTION ONTO A CONVEYOR BELT**
[54] **APPAREIL POUR UNE APPLICATION AUTOMATISEE D'UNE SOLUTION SUR UNE BANDE TRANSPORTEUSE**
[72] MACKAY, JAMIE, CA
[72] MCADAM, MICHAEL, CA
[72] HEIN, TREVOR, CA
[71] FRESHBELT SYSTEMS LTD., CA
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[54] **SYSTEME DE COUVERTURE DE TRANSFERT THERMIQUE**
[72] DICHIARA, ROBERT A., US
[71] THE BOEING COMPANY, US
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[54] **MEASURING-ROBOT DEVICE FOR FULLY MECHANIZED COAL MINING FACE AND AUTOMATIC MEASURING SYSTEM**
[54] **ROBOT DE MESURE POUR UN FRONT DE TAILLE DE CHARBON PLEINEMENT MECANISE ET SYSTEME DE MESURE AUTOMATIQUE**
[72] MAO, SHANJUN, CN
[72] ZHANG, XINYUAN, CN
[72] LI, XINCHAO, CN
[72] TAI, YANG, CN
[72] CHEN, HUAZHOU, CN
[72] LIU, JIAZHUO, CN
[71] BEIJING LONGRUAN TECHNOLOGIES INC., CN
[71] TIANJIN NAVIGATION INSTRUMENTS RESEARCH INSTITUTE, CN
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[72] CRAWFORD, JOHN, US
[71] MICROTECH KNIVES, INC., US
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[54] **SYSTEMS AND METHODS FOR GENERATING ELECTRICITY**
[54] **SYSTEMES ET METHODES POUR GENERER DE L'ELECTRICITE**
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[54] **MOVABLE HOLDER AND SHOWER ASSEMBLY**
[54] **ENSEMBLE SUPPORT MOBILE ET DOUCHE**
[72] LIN, XIAOFA, CN
[72] LIN, XIAOSHAN, CN
[72] CHEN, ZHENNAN, CN
[72] DU, HAIBO, CN
[72] SHU, SHENGTAO, CN
[72] DENG, XIAOQING, CN
[72] LIU, QIQIAO, CN
[71] FUJIAN XIHE SANITARY WARE TECHNOLOGY CO., LTD, CN
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[51] **Int.Cl. G03G 13/01 (2006.01)**
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[54] **METHOD AND SYSTEM FOR CONVERTING A TONER CARTRIDGE PRINTER**
[54] **METHODE ET SYSTEME POUR CONVERTIR UNE IMPRIMANTE A CARTOUCHE D'ENCRE**
[72] JOSIAH, MICHAEL RAYMOND, US
[72] DOVI, JOSEPH, US
[71] UI TECHNOLOGIES, INC., US
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[54] **MEDIUM SUPPLEMENT FOR HIGH-YIELD INDUSTRIAL CULTURE OF FASTIDIOUS ANAEROBES AND MEDIUM COMPOSITION CONTAINING THE SAME**
[54] **SUPPLEMENT DE SUBSTANCE POUR UNE CULTURE INDUSTRIELLE A HAUT RENDEMENT D'ANAEROBIES EXIGEANTS ET COMPOSITION DE SUBSTANCE LE CONTENANT**
[72] SEO, JAE-GU, KR
[72] LEE, DO-KYUNG, KR
[71] ENTEROBIUME INC., KR
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[54] **A SYSTEM AND A METHOD FOR AN ELECTROCHEMICAL PROCESS**
[54] **SYSTEME ET PROCEDE DESTINES A UN PROCESSUS ELECTROCHIMIQUE**
[72] KOPONEN, JOONAS, FI
[72] RUUSKANEN, VESA, FI
[72] KOSONEN, ANTTI, FI
[72] POLUEKTOV, ANTON, FI
[72] AHOLA, JERO, FI
[72] NIEMELA, MARKKU, FI
[71] LAPPEENRANNAN-LAHDEN TEKNILLINEN YLIOPISTO LUT, FI
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[54] **RIP1 INHIBITORY COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME**
[54] **COMPOSES INHIBITEURS DE RIP1 ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] TAYLOR, VANESSA, US
[72] BHAMIDIPATI, SOMASEKHAR, US
[71] RIGEL PHARMACEUTICALS, INC., US
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[30] US (63/001,016) 2020-03-27
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[54] **CHIMERIC COSTIMULATORY RECEPTORS AND METHODS AND USES THEREOF**
[54] **RECEPTEURS DE COSTIMULATION CHIMERIQUES ET PROCEDES ET UTILISATIONS DE CEUX-CI**
[72] BRAMSON, JONATHAN, CA
[72] MARVYN, PHILLIP, CA
[71] MCMASTER UNIVERSITY, CA
[85] 2022-03-01
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[25] EN
[54] **TISSUE-PROCESSING CONTAINER FOR AUTOMATED PROCESSING OF TISSUE, METHODS OF USE THEREOF, AND SYSTEMS COMPRISING THE SAME**
[54] **RECIPIENT DE TRAITEMENT DE TISSU POUR LE TRAITEMENT AUTOMATISE DE TISSU, PROCEDES D'UTILISATION DE CELUI-CI ET SYSTEMES COMPRENANT CELUI-CI**
[72] BAROUSSE, DANIEL, US
[72] FOELSCHE, GERHARD ANDREW, US
[71] AXOGEN CORPORATION, US
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[86] 2020-09-17 (PCT/US2020/051174)
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[51] **Int.Cl. A61K 31/553 (2006.01) A61P 37/00 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01)**
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[54] **RIP1 INHIBITORY COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME**
[54] **COMPOSES INHIBITEURS DE RIP1 ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] CHEN, YAN, US
[72] YU, JIAXIN, US
[72] SHAW, SIMON, US
[72] DARWISH, IHAB, US
[72] TAYLOR, VANESSA, US
[72] BHAMIDIPATI, SOMASEKHAR, US
[72] LUO, ZHUSHOU, US
[72] KOLLURI, RAO, US
[71] RIGEL PHARMACEUTICALS, INC., US
[85] 2022-03-02
[86] 2020-09-04 (PCT/US2020/049487)
[87] (WO2021/046407)
[30] US (62/897,223) 2019-09-06
[30] US (62/932,404) 2019-11-07
[30] US (63/001,016) 2020-03-27
[30] US (63/004,319) 2020-04-02
[30] US (63/004,290) 2020-04-02
[30] US (63/004,301) 2020-04-02

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[13] A1
[51] **Int.Cl. E21B 47/0224 (2012.01) E21B 47/107 (2012.01) E21B 47/14 (2006.01)**
[25] EN
[54] **ACOUSTIC DETECTION OF POSITION OF A COMPONENT OF A FLUID CONTROL DEVICE**
[54] **DETECTION ACOUSTIQUE DE POSITION D'UN COMPOSANT D'UN DISPOSITIF DE COMMANDE DE FLUIDE**
[72] BANE, DARREN, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-03-02
[86] 2020-08-21 (PCT/US2020/047375)
[87] (WO2021/045913)
[30] US (16/561,891) 2019-09-05

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[13] A1
[51] **Int.Cl. E21B 33/16 (2006.01) E21B 33/05 (2006.01) E21B 34/14 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **LINER WIPER PLUG WITH RUPTURE DISK FOR WET SHOE**
[54] **TAMPON ESSUYEUR DE MANCHON AVEC DISQUE DE RUPTURE POUR SABOT HUMIDE**
[72] HOFFMAN, JOSEF, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-03-02
[86] 2020-09-02 (PCT/US2020/049014)
[87] (WO2021/046095)
[30] US (16/563,031) 2019-09-06

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[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01) A61B 90/00 (2016.01) A61B 10/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IDENTIFYING AND LOCATING REFLECTORS USING ORTHOGONAL SEQUENCES OF REFLECTORS SWITCHING**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'IDENTIFIER ET DE SITUER DES REFLECTEURS AU MOYEN DE SEQUENCES ORTHOGONALES DE COMMUTATION DE REFLECTEURS**
[72] GREENE, JOHN E., US
[72] RULKOV, NIKOLAI, US
[71] CIANNA MEDICAL, INC., US
[85] 2022-03-02
[86] 2019-09-04 (PCT/US2019/049583)
[87] (WO2020/051236)
[30] US (16/124,053) 2018-09-06

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[51] **Int.Cl. C07K 14/725 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **PROTEINS COMPRISING T-CELL RECEPTOR CONSTANT DOMAINS**
[54] **PROTEINES COMPRENANT DES DOMAINES CONSTANTS DE RECEPTEUR DE LYMPHOCYTES T**
[72] DEMAREST, STEPHEN J., US
[72] FRONING, KAREN JEAN, US
[72] KUHLMAN, BRIAN ARTHUR, US
[72] MAGUIRE, JACK BARTON, US
[71] ELI LILLY AND COMPANY, US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2022-03-02
[86] 2020-09-02 (PCT/US2020/048979)
[87] (WO2021/046072)
[30] US (62/896,958) 2019-09-06

[21] **3,149,942**
[13] A1
[51] **Int.Cl. H01J 49/00 (2006.01) H01J 49/06 (2006.01)**
[25] EN
[54] **RADIO FREQUENCY QUADRUPOLE STARK DECELERATORS AND METHODS OF MAKING AND USING THE SAME**
[54] **DECELERATEUR STARK QUADRIPOLAIRE A RADIOFREQUENCE ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] DUFFY, LIAM, US
[71] UNIVERSITY OF NORTH CAROLINA AT GREENSBORO, US
[85] 2022-03-02
[86] 2020-09-04 (PCT/US2020/049355)
[87] (WO2021/046318)
[30] US (62/895,533) 2019-09-04

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[13] A1
[51] **Int.Cl. B66F 11/04 (2006.01) B66F 17/00 (2006.01)**
[25] FR
[54] **BASKET, NOTABLY AERIAL BASKET LIFTING DEVICE**
[54] **NACELLE, NOTAMMENT NACELLE ELEVATRICE**
[72] MELLERIN, FRANCOIS, FR
[72] CHARRON, STEVE, FR
[71] MANITOU BF, FR
[85] 2022-03-02
[86] 2020-08-17 (PCT/FR2020/051472)
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[30] FR (FR1910232) 2019-09-17

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[13] A1
[51] **Int.Cl. A61M 16/06 (2006.01) A61F 5/08 (2006.01) A61F 5/56 (2006.01) A61M 16/00 (2006.01) A61M 16/08 (2006.01)**
[25] EN
[54] **RESPIRATORY ASSEMBLY WITH CONDUIT ADAPTER AND METHODS OF USE**
[54] **ENSEMBLE RESPIRATOIRE DOTE D'ADAPTATEUR DE CONDUIT ET PROCEDES D'UTILISATION ASSOCIES**
[72] HEATHERINGTON, STUART, US
[71] SNAP CPAP, LLC, US
[85] 2022-03-02
[86] 2020-09-28 (PCT/US2020/053005)
[87] (WO2021/067155)
[30] US (62/907,888) 2019-09-30

[21] **3,149,953**
[13] A1
[51] **Int.Cl. C07D 207/40 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR TOPICAL WOUND TREATMENT**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT TOPIQUE DE PLAIES**
[72] VERNIERI, ALBERTO RAMOS, AR
[72] CHAVEZ JARA, ROMINA MABEL, AR
[72] CERUSICO, NICOLAS ABEL, AR
[72] DE LOS ANGELES LAZARTE, MARIA, AR
[71] CONSEJO NACIONAL DE INVESTIGACIONES CIENTIFICAS Y TECNICAS CONICET, AR
[71] UNIVERSIDAD NACIONAL DE TUCUMAN, AR
[71] UNTECH INC., US
[85] 2022-03-02
[86] 2020-09-04 (PCT/US2020/049318)
[87] (WO2021/046290)
[30] US (62/896,784) 2019-09-06

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[13] A1
[51] **Int.Cl. A61K 38/47 (2006.01) C12M 1/00 (2006.01) C12N 9/26 (2006.01)**
[25] EN
[54] **METHOD FOR CAPTURING AND PURIFICATION OF BIOLOGICS**
[54] **PROCEDE DE CAPTURE ET DE PURIFICATION DE PRODUITS BIOLOGIQUES**
[72] DHANASEKHARAN, KUMAR, US
[72] CAROSELLI, CHRISTINE, US
[72] LANGEVIN, PAUL, US
[71] AMICUS THERAPEUTICS, INC., US
[85] 2022-03-02
[86] 2020-09-04 (PCT/US2020/049535)
[87] (WO2021/046443)
[30] US (62/897,018) 2019-09-06

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[13] A1
[51] **Int.Cl. G16H 40/20 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DISPENSING MEDICATIONS BASED ON PROXIMITY TO AN ELECTRONIC MEDICATION STORAGE CABINET**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE MEDICAMENTS BASEE SUR LA PROXIMITE VIS-A-VIS D'UNE ARMOIRE DE STOCKAGE DE MEDICAMENTS ELECTRONIQUE**
[72] GARG, HONEY, US
[71] CAREFUSION 303, INC., US
[85] 2022-03-02
[86] 2020-09-02 (PCT/US2020/049064)
[87] (WO2021/046127)
[30] US (62/895,442) 2019-09-03

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[13] A1
[51] **Int.Cl. C03C 17/36 (2006.01)**
[25] EN
[54] **DECOATING DEVICE AND METHOD FOR DECOATING GLASS SHEETS, AS WELL AS METHOD FOR PRODUCING GLASS SHEETS FOR STEPPED GLASS, STEPPED GLASS AND STEPPED GLASS WINDOW AND USE OF THE GLASS SHEET FOR AN INSULATING GLAZING, IN PARTICULAR FOR A STEPPED GLASS OF A STEPPED GLASS WINDOW**
[54] **DISPOSITIF D'ELIMINATION DE REVETEMENT ET PROCEDE D'ELIMINATION DE REVETEMENTS PRESENTS SUR DES VITRES, ET PROCEDE DE FABRICATION DE VITRES POUR VERRE A BORD ETAGE, VERRE A BORD ETAGE ET FENETRE EN VERRE A BORD ETAGE ET UTILISATION LA VITRE POUR UNE UNITE DE VITRAGE ISOLANT, EN PARTICULIER POUR LE VERRE A BORD ETAGE D'UNE FENETRE EN VERRE A BORD ETAG**
[72] RAINER, THOMAS, DE
[71] HEGLA BORAIDENT GMBH & CO. KG, DE
[85] 2022-03-02
[86] 2020-09-04 (PCT/EP2020/074827)
[87] (WO2021/044015)
[30] DE (10 2019 213 603.6) 2019-09-06

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[13] A1
[51] **Int.Cl. A61K 31/55 (2006.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01) C07D 407/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **HETEROCYCLIC RIP1 KINASE INHIBITORS**
[54] **INHIBITEURS HETEROCYCLIQUES DE LA KINASE RIP1**
[72] SHAW, SIMON, US
[72] TAYLOR, VANESSA, US
[72] BHAMIDIPATI, SOMASEKHAR, US
[71] RIGEL PHARMACEUTICALS, INC., US
[85] 2022-03-02
[86] 2020-09-04 (PCT/US2020/049540)
[87] (WO2021/046447)
[30] US (62/897,223) 2019-09-06
[30] US (62/932,404) 2019-11-07
[30] US (63/001,016) 2020-03-27
[30] US (63/004,290) 2020-04-02
[30] US (63/004,301) 2020-04-02
[30] US (63/004,319) 2020-04-02

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) G01N 33/541 (2006.01)**
[25] EN
[54] **METHODS AND AGENTS FOR DETERMINING PATIENT STATUS**
[54] **PROCEDES ET AGENTS DE DETERMINATION DE L'ETAT D'UN PATIENT**
[72] WYKES, MICHELLE, AU
[71] THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH, AU
[85] 2022-03-02
[86] 2020-09-03 (PCT/AU2020/050921)
[87] (WO2021/042163)
[30] AU (2019903243) 2019-09-03

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[13] A1
[51] **Int.Cl. B01D 29/11 (2006.01) B01D 29/00 (2006.01)**
[25] EN
[54] **SCALE-DOWN TANGENTIAL FLOW DEPTH FILTRATION SYSTEMS AND METHODS OF FILTRATION USING SAME**
[54] **SYSTEMES DE FILTRATION EN PROFONDEUR A FLUX TANGENTIEL A L'ECHELLE REDUITE ET PROCEDES DE FILTRATION AU MOYEN DE CEUX-CI**
[72] BRANSBY, MICHAEL, US
[72] CARROLL, DEREK, US
[71] REPLIGEN CORPORATION, US
[85] 2022-03-02
[86] 2020-09-03 (PCT/US2020/049146)
[87] (WO2021/046182)
[30] US (62/896,869) 2019-09-06
[30] US (63/036,686) 2020-06-09

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[13] A1
[51] **Int.Cl. G16H 40/60 (2018.01) H04W 4/02 (2018.01) G16H 20/17 (2018.01) G16H 40/20 (2018.01) G08B 29/18 (2006.01)**
[25] EN
[54] **DUAL MODE GEOFENCING FOR MEDICAL DEVICES**
[54] **GEOREPERAGE A DOUBLE MODE POUR DISPOSITIFS MEDICAUX**
[72] DAVE, JAY, US
[72] NESTERENKO, IGOR, US
[71] CAREFUSION 303, INC., US
[85] 2022-03-02
[86] 2020-09-03 (PCT/US2020/049270)
[87] (WO2021/050360)
[30] US (62/900,368) 2019-09-13

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[13] A1
[51] **Int.Cl. A23L 33/115 (2016.01) C12N 1/14 (2006.01) C12P 7/64 (2022.01)**
[25] EN
[54] **SCHIZOCHYTRIUM STRAIN AND USE THEREOF, MICROBIAL OIL CONTAINING DHA AT SN-2 POSITION AND PREPARATION AND USE THEREOF**
[54] **SCHIZOCHYTRIUM ET SON APPLICATION, ET HUILE MICROBIENNE RICHE EN DHA SN-2, SON PROCEDE DE PREPARATION ET SON APPLICATION**
[72] LIANG, YUN, CN
[72] CAO, SHENG, CN
[72] WANG, SHENJIAN, CN
[71] QU, HANPENG, CN
[85] 2022-03-02
[86] 2020-11-20 (PCT/CN2020/130385)
[87] (WO2021/104165)
[30] CN (201911175787.4) 2019-11-26

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[13] A1
[51] **Int.Cl. G01V 1/38 (2006.01) G01V 1/28 (2006.01)**
[25] EN
[54] **CODED INTERLEAVED SIMULTANEOUS SOURCE SHOOTING**
[54] **PRISE DE VUE DE SOURCES SIMULTANEES A ENTRELACEMENT CODE**
[72] FU, KANG, US
[71] BP CORPORATION NORTH AMERICA INC., US
[85] 2022-03-02
[86] 2020-08-28 (PCT/US2020/048318)
[87] (WO2021/050289)
[30] US (62/900,066) 2019-09-13

[21] **3,149,971**
[13] A1
[51] **Int.Cl. A61B 10/00 (2006.01)**
[25] FR
[54] **BIOLOGICAL FLUID TEST DEVICE, IN PARTICULAR A SALIVA TEST DEVICE**
[54] **DISPOSITIF DE TEST DE LIQUIDE BIOLOGIQUE, EN PARTICULIER DE TEST SALIVAIRE**
[72] BERROS, YOSSI, FR
[71] TODA GROUPE, FR
[85] 2022-03-02
[86] 2020-09-03 (PCT/FR2020/000234)
[87] (WO2021/044086)
[30] FR (FR1909663) 2019-09-03

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[13] A1
[51] **Int.Cl. A61K 39/112 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **IMMUNOGENIC COMPOSITIONS AGAINST ENTERIC DISEASES AND METHODS FOR ITS PREPARATION THEREOF**
[54] **COMPOSITIONS IMMUNOGENES CONTRE DES MALADIES ENTERIQUES ET LEURS PROCEDES DE PREPARATION**
[72] DHERE, RAJEEV MHALASAKANT, IN
[72] PISAL, SAMBHAJI SHANKAR, IN
[72] ANNAMRAJU, DATTATREYA SARMA, IN
[72] AVALASKAR, NIKHIL DATTATRAY, IN
[72] HUNDEKARI, YOGESH TUKARAM, IN
[72] TAKLIKAR, ANIL PIRAJIRAO, IN
[72] GOEL, SUNIL KUMAR, IN
[72] KAMAT, CHANDRASHEKHAR DWARKANATH, IN
[72] CHAVAN, VISHAL BHARAT, IN
[71] SERUM INSTITUTE OF INDIA PRIVATE LIMITED, IN
[85] 2022-03-02
[86] 2020-09-02 (PCT/IN2020/050763)
[87] (WO2021/044436)
[30] IN (201921035435) 2019-09-03

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[13] A1
[51] **Int.Cl. E21B 33/136 (2006.01)**
[25] EN
[54] **DOWNHOLE RETAINER**
[54] **DISPOSITIF DE RETENUE DE FOND DE TROU**
[72] LOUDEN, ANDREW, GB
[72] LIPP, NIALL, GB
[71] ISOL8 (HOLDINGS) LIMITED, GB
[85] 2022-03-02
[86] 2020-09-02 (PCT/EP2020/025396)
[87] (WO2021/043443)
[30] GB (1912569.9) 2019-09-02

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[13] A1
[51] **Int.Cl. C12M 1/107 (2006.01) C12M 1/00 (2006.01) C12M 1/06 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **GASTIGHT CONTAINER**
[54] **RECIPIENT ETANCHE AUX GAZ**
[72] GOEGGERLE, MICHAEL, DE
[72] LIPP, MANUEL, DE
[71] XL BETEILIGUNGEN GMBH & CO. KG, DE
[85] 2022-03-02
[86] 2020-08-20 (PCT/EP2020/073401)
[87] (WO2021/043590)
[30] DE (10 2019 123 653.3) 2019-09-04
[30] DE (10 2020 116 333.9) 2020-06-22

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[13] A1
[51] **Int.Cl. E21B 33/04 (2006.01) E21B 33/10 (2006.01) E21B 33/12 (2006.01) E21B 33/13 (2006.01) E21B 36/00 (2006.01)**
[25] EN
[54] **BORE SEALING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'ETANCHEITE D'ALESAGE**
[72] LOUDEN, ANDREW, GB
[71] ISOL8 (HOLDINGS) LIMITED, GB
[85] 2022-03-02
[86] 2020-09-02 (PCT/EP2020/025397)
[87] (WO2021/043444)
[30] GB (1912575.6) 2019-09-02

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[13] A1
[51] **Int.Cl. A23L 33/115 (2016.01) C12P 7/64 (2022.01)**
[25] EN
[54] **MORTIERELLAALPINA STRAIN AND USE THEREOF, MICROBIAL 0IL CONTAINING ARA AT SN-2 POSITION AND PREPARATION AND USES THEREOF**
[54] **MORTIERELLA ALPINA ET SON UTILISATION, ET HUILE MICROBIENNE RICHE EN ARA EN POSITION SN-2, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION**
[72] LIANG, YUN, CN
[72] CAO, SHENG, CN
[72] WANG, SHENJIAN, CN
[71] QU, HANPENG, CN
[85] 2022-03-02
[86] 2020-11-20 (PCT/CN2020/130378)
[87] (WO2021/104164)
[30] CN (201911175789.3) 2019-11-26

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[13] A1
[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/341 (2006.01) A61K 31/351 (2006.01) A61K 31/381 (2006.01)**
[25] EN
[54] **INHIBITORS OF SGLT AND USES THEREOF**
[54] **INHIBITEURS DE SGLT ET LEURS UTILISATIONS**
[72] CHEN, YUQING, US
[72] ZHANG, JIFENG, US
[72] XU, JIE, US
[72] LIANG, XIUBIN, US
[72] JIN, JIAN-PING, US
[72] SUN, FEI, US
[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
[71] WAYNE STATE UNIVERSITY, US
[85] 2022-03-02
[86] 2020-09-04 (PCT/US2020/049369)
[87] (WO2021/046325)
[30] US (62/895,800) 2019-09-04
[30] US (62/948,660) 2019-12-16

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[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 50/10 (2012.01) G01N 21/88 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **VEHICLE SELF-INSPECTION APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE D'AUTO-INSPECTION DE VEHICULE**
[72] NEI, SCOTT, US
[72] DOYLE, WILLIAM, US
[72] BRAY, MICHELLE KAISER, US
[71] KAR AUCTION SERVICES, INC., US
[85] 2022-03-02
[86] 2020-09-22 (PCT/US2020/051931)
[87] (WO2021/055988)
[30] US (62/903,930) 2019-09-22
[30] US (17/027,283) 2020-09-21

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[13] A1
[51] **Int.Cl. A01H 4/00 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **METHOD FOR INCREASING PLANT YIELD**
[54] **PROCEDE POUR AUGMENTER LE RENDEMENT DE PLANTES**
[72] PAIGE, KEN N., US
[71] THE BOARD OF TRUSTEES OF UNIVERSITY OF ILLINOIS, US
[85] 2022-03-02
[86] 2020-08-31 (PCT/US2020/048690)
[87] (WO2021/050307)
[30] US (62/897,463) 2019-09-09

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[13] A1
[51] **Int.Cl. A61B 17/80 (2006.01)**
[25] EN
[54] **ELASTIC PROSTHETICS OF RIBS**
[54] **PROTHESES ELASTIQUES DE COTES**
[72] LOPEZ, FEDERICO, UY
[71] OROMI, GASTON ENRIQUE, UY
[71] EMEDICAL SOCIEDAD ANONIMA, UY
[85] 2022-03-02
[86] 2019-11-15 (PCT/EP2019/081442)
[87] (WO2021/047787)
[30] UY (38363) 2019-09-09

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[13] A1
[51] **Int.Cl. A61M 25/06 (2006.01)**
[25] EN
[54] **BLOOD COLLECTION DEVICES, SYSTEMS, AND METHODS FACILITATING BLOOD FLASHBACK**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE COLLECTE DE SANG FACILITANT LE REFLUX DE SANG**
[72] WANG, BIN, US
[72] BURKHOLZ, JONATHAN KARL, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-03-02
[86] 2020-08-26 (PCT/US2020/048003)
[87] (WO2021/055147)
[30] US (62/901,631) 2019-09-17
[30] US (16/998,592) 2020-08-20

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[13] A1
[51] **Int.Cl. A61K 31/429 (2006.01) C07D 493/04 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **BICYCLIC CARBOXYLATES AS MODULATORS OF TRANSPORTERS AND USES THEREOF**
[54] **CARBOXYLATES BICYCLIQUES UTILISES EN TANT QUE MODULATEURS DE TRANSPORTEURS ET LEURS UTILISATIONS**
[72] SANDANAYAKA, VINCENT, US
[72] GORECZNY, GREGORY, US
[71] NIROGY THERAPEUTICS, INC., US
[85] 2022-03-02
[86] 2020-09-24 (PCT/US2020/052413)
[87] (WO2021/061929)
[30] US (62/905,606) 2019-09-25

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[13] A1
[51] **Int.Cl. A61K 31/4245 (2006.01)**
[25] EN
[54] **METHODS OF TREATING EPILEPSY USING THE SAME**
[54] **PROCEDES DE TRAITEMENT DE L'EPILEPSIE A L'AIDE DE CEUX-CI**
[72] DEMITRACK, MARK A., US
[72] KRAMER, MICHAEL S., US
[71] TREVENA, INC., US
[85] 2022-03-02
[86] 2020-09-03 (PCT/US2020/049147)
[87] (WO2021/046183)
[30] US (62/896,116) 2019-09-05

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[54] **METHOD FOR PREPARING CONTROLLED PEPTIDE-BASED POLYMERS AND COPOLYMERS IN AN AQUEOUS SOLUTION**
[54] **PROCEDE DE PREPARATION DE POLYMERES ET COPOLYMERES CONTROLES A BASE DE PEPTIDES EN SOLUTION AQUEUSE**
[72] LECOMMANDOUX, SEBASTIEN, FR
[72] BONDUELLE, COLIN, FR
[72] GARANGER, ELISABETH, FR
[72] GRAZON, CHLOE, FR
[71] UNIVERSITE DE BORDEAUX, FR
[71] INSTITUT POLYTECHNIQUE DE BORDEAUX, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
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[54] **METHOD AND SYSTEM FOR DETERMINING DIELECTRIC PROPERTIES OF AN OBJECT WITH RADIATION IN THE MICROWAVE OR MILLIMETER WAVE REGION OF THE ELECTROMAGNETIC SPECTRUM**
[54] **PROCEDE ET SYSTEME DE DETERMINATION DE PROPRIETES DIELECTRIQUES D'UN OBJET A L'AIDE D'UN RAYONNEMENT DANS LA REGION DE MICRO-ONDES OU D'ONDES MILLIMETRIQUES DU SPECTRE ELECTROMAGNETIQU**
[72] HARMER, STUART WILLIAM, GB
[72] WHEELER, DANA E., US
[71] PLYMOUTH ROCK TECHNOLOGIES INC., US
[85] 2022-03-02
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[54] **GRAFTED POLYMER AND USE THEREOF**
[54] **POLYMERE GREFFE ET SON UTILISATION**
[72] DIBELLA, JAMES ANTHONY JR., US
[72] ALWASTHI, ALOK KUMAR, US
[72] RUSSELL, JADE J., US
[72] MIS, MARK R., US
[72] HAUENSTEIN, JAMES, US
[72] FORNALIK, MARK, US
[72] HOTELING, ANDREW J., US
[72] CONLON, SHAWN M., US
[72] KUMAR, KAUSHLENDRA, IN
[71] BAUSCH & LOMB IRELAND LIMITED, IE
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[54] **CONTINUOUS BIOMASS EXTRACTION SYSTEM AND PROCESS**
[54] **SYSTEME ET PROCEDE D'EXTRACTION DE BIOMASSE EN CONTINU**
[72] BONDE, STEVE E., US
[72] HAZLEWOOD, AMARA, US
[72] JAASUND, STEVE, US
[71] BOULDER CREEK TECHNOLOGIES, LLC, US
[85] 2022-03-02
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[54] **SURFACTANT COMPOSITIONS FOR IMPROVED HYDROCARBON RECOVERY FROM SUBTERRANEAN FORMATIONS**
[54] **COMPOSITIONS TENSIOACTIVES POUR UNE EXTRACTION AMELIOREE D'HYDROCARBURES A PARTIR DE FORMATIONS SOUTERRAINES**
[72] SINGH, ROBIN, US
[71] PILOT CHEMICAL CORP., US
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[25] EN
[54] **WEAR LINER RETENTION DEVICES, AND RELATED ASSEMBLIES AND METHODS**
[54] **DISPOSITIFS DE RETENUE DE REVETEMENT D'USURE, ET ENSEMBLES ET PROCEDES ASSOCIES**
[72] STEED, DANIEL J., US
[72] POULSEN, SHILOH D., US
[72] FAIRBOURNE, JEREMY, US
[71] STEED, DANIEL J., US
[71] POULSEN, SHILOH D., US
[71] FAIRBOURNE, JEREMY, US
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[54] **LARGE VECTORS AND METHODS FOR HIGH-YIELD PRODUCTION**
[54] **GRANDS VECTEURS ET PROCEDES DE PRODUCTION A HAUT RENDEMENT**
[72] JANSSEN, MELODY, NL
[72] AUWERX, JOERI, BE
[72] DALLMEIER, KAI, BE
[72] ONGENAE, NICOLAS, BE
[72] VANSALEN, CEDRIC, BE
[72] GORIS, NESYA, BE
[71] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
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[25] EN
[54] **DYNAMICALLY ESTIMATING LIGHT-SOURCE-SPECIFIC PARAMETERS FOR DIGITAL IMAGES USING A NEURAL NETWORK**
[54] **ESTIMATION DYNAMIQUE DE PARAMETRES SPECIFIQUES A UNE SOURCE DE LUMIERE POUR DES IMAGES NUMERIQUES UTILISANT UN RESEAU NEURONAL**
[72] HOLD-GEOFFROY, YANNICK, US
[72] GAGNE, CHRISTIAN, CA
[72] GARDNER, MARC-ANDRE, CA
[72] LALONDE, JEAN-FRANCOIS, CA
[72] SUNKAVALLI, KALYAN, US
[71] UNIVERSITE LAVAL, CA
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[54] **SYSTEM AND PROCESS FOR CURING A WET COATING APPLIED TO A SUBSTRATE**
[54] **SYSTEME ET PROCEDE PERMETTANT LE DURCISSEMENT D'UN REVETEMENT HUMIDE APPLIQUE SUR UN SUBSTRAT**
[72] AYOTTE, DANIEL, CA
[71] AYOTTE TECHNO-GAZ INC., CA
[85] 2022-03-03
[86] 2021-03-12 (PCT/CA2021/050334)
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[54] **IMPROVEMENTS IN BREWING**
[54] **AMELIORATIONS CONCERNANT LE BRASSAGE**
[72] BROADBENT, RALPH, GB
[72] DIXON, ALEX, GB
[72] MAWBEY, SIMON, GB
[72] TAYLOR, JED, DE
[72] GORDAN, DUNCAN, GB
[71] THE GREATER GOOD FRESH BREWING CO LTD, GB
[85] 2022-02-15
[86] 2020-08-17 (PCT/GB2020/051964)
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[54] **SYSTEM AND METHOD FOR PROBABILISTIC ESTIMATION AND DISPLAY OF ATMOSPHERIC GAS DATA AT A GLOBAL SCALE**
[54] **SYSTEME ET METHODE POUR L'ESTIMATION PROBABILISTE ET AFFICHAGE DES DONNEES DE GAZ ATMOSPHERIQUE A UNE ECHELLE GLOBALE**
[72] GAINS, DAVID, CA
[72] SHAATH, QUEENY, CA
[72] MCKEEN, CONOR, CA
[72] GREEN, DAVID, CA
[71] GHGSAT INC., CA
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[25] EN
[54] **DISPOSABLE STERILE COVER SYSTEM, COMPONENTS, AND METHODS FOR POWER TOOLS**
[54] **SYSTEME DE COUVERCLE STERILE JETABLE, COMPOSANTS ET PROCEDES POUR OUTILS ELECTRIQUES**
[72] CANCILLA, MICHAEL, CA
[72] MULABDIC, FEDJA, CA
[72] BHATLA, CHRIS, CA
[71] ARBUTUS MEDICAL INC., CA
[85] 2022-03-17
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[54] **VAPORIZATION DEVICE**
[54] **DISPOSITIF DE VAPORISATION**
[72] XU, SHENGYANG, CN
[72] YUAN, YIPING, CN
[72] WANG, HUI, CN
[71] SHENZHEN RELX TECHNOLOGY CO., LTD., CN
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[25] EN
[54] **HYDRAULIC FRACTURING SYSTEM FOR DRIVING PLUNGER PUMP WITH A TURBINE ENGINE**
[54] **SYSTEME DE FRACTURATION HYDRAULIQUE POUR ENTRAINER UNE POMPE A PISTON PLONGEUR AVEC UN MOTEUR A TURBINE**
[72] ZHANG, RIKUI, CN
[72] LI, XIANCE, CN
[72] LI, XINCHENG, CN
[72] WU, YIPENG, CN
[72] LAN, CHUNQIANG, CN
[72] CHANG, SHENG, CN
[72] ZHANG, PENG, CN
[72] JI, XIAOLEI, CN
[71] YANTAI JEREH PETROLEUM EQUIPMENT & TECHNOLOGIES CO., LTD., CN
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[51] **Int.Cl. G06F 16/172 (2019.01)**
[25] EN
[54] **DATA OBJECT IDENTIFICATION GENERATING METHOD, DEVICE, COMPYTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE DE GENERATION D'IDENTIFICATION D'OBJETS DE DONNEES, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] CHEN, FANGYUAN, CN
[72] FAN, MINJIE, CN
[72] TANG, KUNZHOU, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-03-17
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[54] **CONTROL STRATEGY FOR HOT SURFACE IGNITER**
[54] **STRATEGIE DE REGLAGE POUR ALLUMEUR A SURFACE CHAUDE**
[72] LEIGH, PETER, CN
[71] CHONGQING LE-MARK TECHNOLOGY CO., LTD., CN
[85] 2022-03-17
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[25] EN
[54] **BIFIDOBACTERIUM BREVE 207-1 AND USE THEREOF**
[54] **BIFIDOBACTERIUM BREVE 207-1 ET SON UTILISATION**
[72] ZE, XIAOLEI, CN
[72] ZHANG, XUGUANG, CN
[72] HE, RUIKUN, CN
[72] HE, FANG, CN
[71] BYHEALTH CO., LTD., CN
[85] 2022-03-17
[86] 2021-02-02 (PCT/CN2021/074857)
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[25] EN
[54] **POWDER MATERIAL, LAYERED SHAPED ARTICLE, AND PRODUCTION METHOD FOR POWDER MATERIAL**
[54] **MATERIAU EN POUDRE, ARTICLE FACONNE FEUILLETE ET PROCEDE DE PRODUCTION DE MATERIAU EN POUDRE**
[72] USUDA, TERUKI, JP
[72] YAMADA, SHINNOSUKE, JP
[72] OSAKI, MOTOTSUGU, JP
[71] DAIDO STEEL CO., LTD., JP
[85] 2022-03-17
[86] 2020-08-17 (PCT/JP2020/031017)
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[25] EN
[54] **STAMINA-IMPROVING COMPOSITION AND STAMINA-IMPROVING NATURAL TEA COMPRISING SAME**
[54] **COMPOSITION AMELIORANT L'ENDURANCE ET THE NATUREL AMELIORANT L'ENDURANCE LA COMPRENANT**
[72] NAM, JONG HYUN, KR
[71] NAM, JONG HYUN, KR
[85] 2022-03-17
[86] 2020-05-19 (PCT/KR2020/006538)
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[25] EN
[54] **METHOD OF PROTECTON OF THE CATHODE BLOCKS OF ALUMINIUM REDUCTION CELLS WITH BAKED ANODES, PROTECTIVE COMPOSITE MIXTURE AND COATING**
[54] **PROCEDE DE PROTECTION D'UNITES CATHODIQUES D'ELECTROLYSEURS D'ALUMINIUM AVEC ANODES ENRICHIES, COMPOSITION DE PROTECTION ET REVETEMENT**
[72] NAGIBIN, GENNADIJ EFIMOVICH, RU
[72] FEDOROVA, ELENA NIKOLAEVNA, RU
[72] DOBROSMYSLOV, SERGEJ SERGEEVICH, RU
[72] KIRILLOVA, IRINA ANATOL'EVNA, RU
[72] ZAVADYAK, ANDREJ VASIL'EVICH, RU
[72] PUZANOV, IL'YA IVANOVICH, RU
[71] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
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[25] EN
[54] **A METHOD AND SYSTEM FOR ATTACHING AN UNDERLAY ELEMENT TO A BOARD ELEMENT AND AN ASSOCIATED BOARD ELEMENT**
[54] **PROCEDE ET SYSTEME DE FIXATION D'UN ELEMENT DE COUCHE INFERIEURE A UN ELEMENT DE PANNEAU ET ELEMENT DE PANNEAU ASSOCIE**
[72] JOSEFSSON, PER, SE
[72] NILSSON, CHRISTOFFER, SE
[72] HAKANSSON, NICLAS, SE
[71] CERALOC INNOVATION AB, SE
[85] 2022-03-17
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[30] SE (1951134-4) 2019-10-04

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[25] EN
[54] **ACTUATOR FOR CONTROLLING MULTIPLE INJECTION MOLDING VALVE PINS**
[54] **ACTIONNEUR POUR COMMANDER DE MULTIPLES BROCHES DE VANNE DE MOULAGE PAR INJECTION**
[72] GREB, SCOTT, US
[72] SREDZINSKI, RYAN, US
[72] JOERG, ANTON, DE
[71] INCOE CORPORATION, US
[85] 2022-03-17
[86] 2020-09-16 (PCT/US2020/050948)
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[25] EN
[54] **MODULAR WALL PANELS AND SYSTEM**
[54] **PANNEAUX MURAUX MODULAIRES ET SYSTEME**
[72] ROSAN, ARNON, US
[71] EVERBLOCK SYSTEMS LLC, US
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[86] 2020-09-16 (PCT/US2020/050991)
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[30] US (16/573,258) 2019-09-17

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[51] **Int.Cl. B60S 5/00 (2006.01) B25B 1/24 (2006.01)**
[25] EN
[54] **INSERTS FOR SHIELDING ALUMINUM VEHICLES FROM CLAMPS**
[54] **INSERTS DESTINES A PROTEGER DES VEHICULES EN ALUMINIUM DE PINCES**
[72] BARRACO, ANTHONY M., US
[72] SAAL, SCOTT, US
[71] BARRACO, ANTHONY M., US
[71] SAAL, SCOTT, US
[85] 2022-03-17
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[30] US (62/903,368) 2019-09-20
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[25] EN
[54] **METHOD AND APPARATUS FOR OVER ICE BREWING**
[54] **PROCEDE ET APPAREIL POUR UNE BOISSON GLACEE**
[72] HOLMES, ROBERT, US
[72] FUCCI, JOSEPH GEORGE, US
[72] GODFREY, CHRISTOPHER, US
[71] KEURIG GREEN MOUNTAIN, INC., US
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[25] EN
[54] **METHODS FOR IDENTIFYING GENOMIC SAFE HARBORS**
[54] **PROCEDES D'IDENTIFICATION DE PORTS DE SECURITE GENOMIQUE**
[72] SADELAIN, MICHEL, US
[72] ODAK, ASHLESHA, IN
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
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[54] **MRNA ENCODING ENGINEERED CFTR**
[54] **ARNM CODANT POUR CFTR MODIFIEE**
[72] WOOSTER, RICHARD, US
[72] DEROSA, FRANK, US
[72] BOEGLIN, LIANNE, US
[72] NANDURI, PRIYAANKA, US
[72] DIAS, ANUSHA, US
[72] TRAN, KHANG ANH, US
[71] TRANSLATE BIO, INC., US
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[30] US (62/903,047) 2019-09-20
[30] US (62/984,632) 2020-03-03
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[51] **Int.Cl. E21B 43/12 (2006.01) F04D 13/10 (2006.01) F04D 29/046 (2006.01)**
[25] EN
[54] **BEARINGS FOR ELECTRIC SUBMERSIBLE PUMPS**
[54] **PALIERS POUR POMPES SUBMERSIBLES ELECTRIQUES**
[72] CHEAH, KEAN WEE, SG
[72] ARUMUGAM, SETHURAJ, SG
[72] GOH, KIM HOO, SG
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2022-03-17
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[25] EN
[54] **THRUST HANDLING FOR ELECTRIC SUBMERSIBLE PUMPS**
[54] **GESTION DE POUSSEE POUR POMPES ELECTRIQUES SUBMERSIBLES**
[72] EKAMBARAM, RAJU, SG
[72] WANG, TENG FEI, SG
[72] MAHADEVAN, PRADEEP, SG
[72] CHEAH, KEAN WEE, SG
[72] ESLINGER, DAVID MILTON, US
[71] SCHLUMBERGER CANADA LIMITED, CA
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[54] **DISPOSITIFS DE MESURE OPTIQUE SANS CONTACT ET SONDES OPTIQUES INTERCHANGEABLES**
[72] BOLING, SHAWN A., US
[72] RAMAKRISHNAN, BHASKAR, US
[72] AQUI, DEREK GRAHAM, US
[72] BARNS, CHRIS, US
[71] DWFRITZ AUTOMATION, INC., US
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[54] **SPIROCYCLIC ANDROGEN RECEPTOR PROTEIN DEGRADERS**
[54] **AGENTS DE DEGRADATION DE PROTEINE DE RECEPTEUR D'ANDROGENE SPIROCYCLIQUES**
[72] WANG, SHAOMENG, US
[72] HAN, XIN, US
[72] XIANG, WEIGUO, US
[72] MIAO, BUKEYAN, US
[72] QIN, CHONG, US
[72] ZHAO, LIJIE, US
[72] LU, JIANFENG, US
[72] XU, TIANFENG, US
[72] YANG, CHAO-YIE, US
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[54] **VACUUM-INSULATED COOLER**
[54] **REFROIDISSEUR A ISOLATION SOUS VIDE**
[72] JAFA, EMAD, US
[72] LI, XUEJUN, US
[72] LAU, CHEUK CHI, US
[72] MASAND, DRISHTI, US
[72] LAZARINI, PRISCILA, US
[71] PEPSICO, INC., US
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[54] **CAP GUIDES AND METHODS OF USE THEREOF FOR RNA MAPPING**
[54] **GUIDES DE COIFFE ET LEURS PROCEDES D'UTILISATION POUR LA CARTOGRAPHIE D'ARN**
[72] AMATO, NICHOLAS J., US
[72] HUA, SERENUS, US
[72] SALANDRIA, KERRY, US
[71] MODERNATX, INC., US
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[54] **CARBONATE CONTAINING LIPID COMPOUNDS AND COMPOSITIONS FOR INTRACELLULAR DELIVERY OF THERAPEUTIC AGENTS**
[54] **COMPOSES LIPIDES CONTENANT DU CARBONATE ET COMPOSITIONS POUR ADMINISTRATION INTRACELLULAIRE D'AGENTS THERAPEUTIQUES**
[72] BENENATO, KERRY E., US
[72] BISWAS, SOUVIK, US
[72] CORNEBISE, MARK, US
[72] HENNESSY, EDWARD, US
[72] KUMARASINGHE, ELLALAHEWAGE S., US
[71] MODERNATX, INC., US
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[54] **SYSTEMS AND METHODS FOR DESIGNATION OF REM AND WAKE STATES**
[54] **SYSTEMES ET PROCEDES DE DESIGNATION D'ETATS DE MOUVEMENT OCULAIRE RAPIDE (MOR) ET DE REVEIL**
[72] HILMISSON, HUGI, US
[71] MYCARDIO LLC, US
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[54] **APPAREIL DE COUPE DE BOULON**
[72] KING, MARK, US
[72] WADE, JIMI, US
[72] EVANS, OLIVER, US
[71] TEAM INDUSTRIAL SERVICES, INC., US
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[54] **WHEELEND ASSEMBLY GREASE TOOL**
[54] **OUTIL DE GRAISSAGE POUR ENSEMBLE D'EXTREMITE DE ROUE**
[72] TREJO JIMENEZ, DANIEL, US
[71] STEMCO PRODUCTS, INC., US
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[54] **SYSTEMS AND METHODS FOR CONTROLLING LASER PULSING**
[54] **SYSTEMES ET PROCEDES DE COMMANDE D'IMPULSION LASER**
[72] ZHANG, JIAN JAMES, US
[72] YANG, BAOCHENG, US
[72] YANG, XIRONG, US
[72] KANG, HYUN WOOK, KR
[72] CHENG, BRIAN, US
[72] BULL, PETER, US
[72] XUAN, RONGWEI JASON, US
[72] HASENBERG, THOMAS C., US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
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[54] **METHODS AND APPARATUSES FOR MONITORING FETAL HEARTBEAT AND UTERINE CONTRACTION SIGNALS**
[54] **PROCEDES ET APPAREILS DE SURVEILLANCE DE SIGNAUX DE RYTHME CARDIAQUE F□TAL ET DE CONTRACTIONS UTERINES**
[72] SANCHEZ, NEVADA J., US
[71] BFLY OPERATIONS, INC., US
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[54] **DEVICES, SYSTEMS, AND METHODS FOR DETECTING FLUID FLOW**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE DETECTION D'UN ECOULEMENT DE FLUIDE**
[72] DUVAL, GEORGE, US
[72] BRECHBIEL, SCOTT, US
[72] MCGOVERN, MIKE, US
[72] SAWICKI, JAMES, US
[72] CHRISTAKIS, LAURA, US
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[54] **COMPLEXES D'IMMUNORECEPTEURS REGULES PAR UN AGENT DE DIMERISATION**
[72] JARJOUR, JORDAN, US
[72] ASTRAKHAN, ALEXANDER, US
[72] LEUNG, WAI-HANG, US
[71] 2SEVENTY BIO, INC., US
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[54] **DISCONTINUOUS RECEPTION FOR A TWO-STEP RANDOM ACCESS PROCEDURE**
[54] **RECEPTION DISCONTINUE POUR UNE PROCEDURE D'ACCES ALEATOIRE EN DEUX ETAPES**
[72] JEON, HYOUNGSUK, US
[72] DINAN, ESMAEL, US
[72] YI, YUNJUNG, US
[72] ZHOU, HUA, US
[71] OFINNO, LLC, US
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[54] **SYSTEM AND APPARATUS FOR PROVIDING NETWORK ASSISTANCE FOR TRAFFIC HANDLING IN DOWNLINK STREAMING**
[54] **SYSTEME ET APPAREIL DE FOURNITURE D'UNE ASSISTANCE DE RESEAU DESTINEE A LA GESTION DE TRAFIC DANS UNE DIFFUSION EN CONTINU DE LIAISON DESCENDANTE**
[72] BOUAZIZI, IMED, US
[72] STOCKHAMMER, THOMAS, US
[71] QUALCOMM INCORPORATED, US
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[54] **DRUG DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] FINKELSTEIN, EMIL, US
[72] SKALL, SOREN FORBECH, US
[72] EILERTSEN, LARS, US
[72] OHLENSCHLAEGER, RASMUS, US
[71] AMGEN INC., US
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[54] **BATTERIES LITHIUM-SOUFRE FLEXIBLES**
[72] CHEN, YING IAN, AU
[72] YU, BAOZHI, AU
[72] FAN, YE, AU
[72] TAO, TAO, AU
[71] LI-S ENERGY LIMITED, AU
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[54] **BEC CUEILLEUR DE RECOLTE AVEC RABATTEUR A DIAMETRE VARIABLE**
[72] REMILLARD, RHEAL, CA
[72] SHEARER, BRUCE ROBERT, CA
[71] MACDON INDUSTRIES LTD., CA
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[54] **METHODE DE PREVENTION OU DE TRAITEMENT DE MALADIES LIEES AU CHOLESTEROL A L'AIDE D'UN ANTICORPS ANTI-PCSK9**
[72] QIAN, LEI, CN
[72] ZHENG, SHIRUI, CN
[72] DENG, HUAN, CN
[71] INNOVENT BIOLOGICS (SUZHOU) CO., LTD., CN
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[54] **FUSED PYRIDONE COMPOUND, AND PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **COMPOSE DE PYRIDONE FUSIONNEE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] GUO, SHUCHUN, CN
[72] FAN, JUN, CN
[72] LIU, YANG, CN
[72] BAO, FANG, CN
[72] PENG, JIANBIAO, CN
[72] GUO, HAIBING, CN
[71] SHANGHAI JEMINCARE PHARMACEUTICALS CO., LTD, CN
[71] JIANGXI JEMINCARE GROUP CO., LTD, CN
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[54] **ELECTRIC SHAVER, HANDHELD HOUSEHOLD ELECTRICAL APPLIANCE, ELECTRIC SHAVER SYSTEM, AND CONTROL METHOD**
[54] **RASOIR ELECTRIQUE, APPAREIL ELECTROMENAGER PORTATIF, SYSTEME DE RASOIR ELECTRIQUE ET PROCEDE DE COMMANDE**
[72] REN, XIAODONG, CN
[72] HUANG, HAIHU, CN
[72] LI, GAITENG, CN
[71] SHANGHAI FLYCO ELECTRICAL APPLIANCE CO., LTD., CN
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[54] **DRUG COMBINATION CONTAINING TLR7 AGONIST**
[54] **COMBINAISON DE MEDICAMENTS CONTENANT UN AGONISTE DE TLR7**
[72] XU, HONGJIANG, CN
[72] LU, DANDAN, CN
[72] GE, XINGFENG, CN
[72] SONG, WEI, CN
[72] SHI, WEI, CN
[72] YANG, LING, CN
[72] ZHANG, XIQUAN, CN
[72] YU, HAO, CN
[72] XU, ZHONGNAN, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
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[54] **DOSING REGIMEN FOR ANTI-BCMA AGENTS**
[54] **REGIME POSOLOGIQUE POUR AGENTS ANTI-BCMA**
[72] STIEGLMAIER, JULIA, DE
[72] HUBER, BIRGIT, DE
[72] MINELLA, ALEXANDER, US
[72] UPRETI, VIJAY, US
[71] AMGEN RESEARCH (MUNICH) GMBH, DE
[71] AMGEN INC., US
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[54] **MINING EQUIPMENT INSPECTION SYSTEM, MINING EQUIPMENT INSPECTION METHOD, AND MINING EQUIPMENT INSPECTION DEVICE**
[54] **SYSTEME D'INSPECTION D'EQUIPEMENT D'EXPLOITATION MINIERE, PROCEDE D'INSPECTION D'EQUIPEMENT D'EXPLOITATION MINIERE ET DISPOSITIF D'INSPECTION D'EQUIPEMENT D'EXPLOITATION MINIERE**
[72] JOHANSSON, FREDRIK, SE
[72] STAHLBROST, HAKAN, SE
[72] FURTENBACH, LARS, SE
[72] FAHLGREN, JOHANNA, SE
[72] KAGSTROM, LOTTA, SE
[72] ERIKSSON, MAGNUS J., SE
[72] SILVA, JHINO, PE
[72] WESLY RUIZ, VICTOR, PE
[71] METSO OUTOTEC FINLAND OY, FI
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[54] **METHOD FOR PRODUCING A PIPELINE ARRANGEMENT AND PIPELINE ARRANGEMENT**
[54] **PROCEDE DE FABRICATION D'UN AGENCEMENT DE CANALISATION ET AGENCEMENT DE CANALISATION**
[72] NOWAK, JESKO JAY, DE
[72] NOWAK, REINHARD, DE
[71] GLATT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, DE
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[54] **SECURITY ELEMENT HAVING AT LEAST ONE FIRST COLOR-SHIFTING REGION**
[54] **ELEMENT DE SECURITE COMPORTANT AU MOINS UNE PREMIERE ZONE DE CHANGEMENT DE COULEUR**
[72] WURTH, SONJA, AT
[72] MAYRHOFER, MARCO, AT
[71] HUECK FOLIEN GESELLSCHAFT M.B.H., AT
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[54] **SECURITY ELEMENT WITH AN OPTICAL EFFECT LAYER**
[54] **ELEMENT DE SECURITE COMPRENANT UNE COUCHE A EFFET OPTIQUE**
[72] TRASSL, STEPHAN, AT
[72] EGGINGER, MARTIN, AT
[72] MAYRHOFER, MARCO, AT
[72] FUCHSBAUER, ANITA, AT
[71] HUECK FOLIEN GESELLSCHAFT M.B.H., AT
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[54] **BLOQUEURS DE KV1.3**
[72] MUNCH, HENRIK FISCHER, DK
[72] JENSEN, RASMUS BUGGE, DK
[72] MADSEN, JENS KVIST, DK
[71] ZEALAND PHARMA A/S, DK
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[25] EN
[54] **COMBINATION OF A POXVIRUS ENCODING HPV POLYPEPTIDES AND IL-2 WITH AN ANTI-PD-L1 ANTIBODY**
[54] **COMBINAISON D'UN POXVIRUS CODANT POUR DES POLYPEPTIDES HPV ET IL-2 AVEC UN ANTICORPS ANTI-PD-L1**
[72] BENDJAMA, KAIDRE, FR
[72] BRANDELY TALBOT, MAUD, FR
[72] TAVERNARO, ANNETTE, FR
[71] TRANSGENE, FR
[71] MERCK PATENT GMBH, DE
[71] PFIZER INC., US
[85] 2022-03-18
[86] 2020-09-21 (PCT/EP2020/076232)
[87] (WO2021/053207)
[30] EP (19306159.5) 2019-09-20
[30] EP (20305697.3) 2020-06-24

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[25] EN
[54] **BIOLOGICAL ENERGY SIGNAL ACQUISITION AND CONVERSION DEVICE**
[54] **DISPOSITIF D'EXTRACTION ET DE CONVERSION DE SIGNAL D'ENERGIE BIOLOGIQUE**
[72] CHENG, CHUN-FANG, CN
[72] HONG, TING-HAN, CN
[72] KUNG, PO-YUAN, CN
[72] NI, JIA-DE, CN
[72] SHEN, HSUN-TSAN, CN
[72] YEH, WEN-CHUN, CN
[71] CHENG, CHUN-FANG, CN
[71] HONG, TING-HAN, CN
[71] KUNG, PO-YUAN, CN
[71] NI, JIA-DE, CN
[71] SHEN, HSUN-TSAN, CN
[71] YEH, WEN-CHUN, CN
[85] 2022-03-25
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[87] (WO2021/035566)

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[51] **Int.Cl. H02B 13/055 (2006.01)**
[25] EN
[54] **GAS INSULATING DEVICE WITH ANTI-LIQUIFICATION MEANS**
[54] **DISPOSITIF D'ISOLATION GAZEUSE AVEC DES MOYENS D'ANTI-LIQUEFACTION**
[72] KIEFFEL, YANNICK, FR
[72] BIQUEZ, FRANCOIS, FR
[72] BERTELOOT, THOMAS, FR
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2022-03-18
[86] 2020-09-22 (PCT/EP2020/076450)
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[51] **Int.Cl. A61K 47/64 (2017.01) A61K 47/65 (2017.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SELECTIVE DRUG RELEASE FROM INTERNALIZED CONJUGATES OF BIOLOGICALLY ACTIVE COMPOUNDS**
[54] **LIBERATION SELECTIVE DE MEDICAMENT A PARTIR DE CONJUGUES INTERNALISES DE COMPOSES BIOLOGIQUEMENT ACTIFS**
[72] BINDMAN, NOAH, US
[72] OKELEY, NICOLE, US
[72] SENTER, PETER, US
[72] AWASTHI, DIVYA, US
[71] SEAGEN INC., US
[85] 2022-03-14
[86] 2020-09-18 (PCT/US2020/051648)
[87] (WO2021/055865)
[30] US (62/902,888) 2019-09-19

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[51] **Int.Cl. G06N 3/04 (2006.01)**
[25] EN
[54] **FAST SPARSE NEURAL NETWORKS**
[54] **RESEAUX NEURONAUX CREUX RAPIDES**
[72] ELSEN, ERICH KONRAD, GB
[72] GALE, TREVOR JOHN, GB
[72] DUKHAN, MARAT, GB
[71] DEEPMIND TECHNOLOGIES LIMITED, GB
[85] 2022-03-18
[86] 2020-09-23 (PCT/EP2020/076587)
[87] (WO2021/058578)
[30] US (62/905,888) 2019-09-25

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[51] **Int.Cl. G06N 3/04 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **AUGMENTING ATTENTION-BASED NEURAL NETWORKS TO SELECTIVELY ATTEND TO PAST INPUTS**
[54] **AUGMENTATION DE RESEAUX NEURONAUX BASEES SUR L'ATTENTION POUR PARTICIPER SELECTIVEMENT A DES ENTREES PASSEES**
[72] RAE, JACK WILLIAM, GB
[72] POTAPENKO, ANNA, GB
[72] LILLICRAP, TIMOTHY PAUL, GB
[71] DEEPMIND TECHNOLOGIES LIMITED, GB
[85] 2022-03-18
[86] 2020-09-24 (PCT/EP2020/076759)
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[30] US (62/906,078) 2019-09-25

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[51] **Int.Cl. A61B 10/00 (2006.01) G16H 30/00 (2018.01) G16H 50/20 (2018.01) G06K 9/62 (2022.01)**
[25] EN
[54] **SYSTEM TO COLLECT AND IDENTIFY SKIN CONDITIONS FROM IMAGES AND EXPERT KNOWLEDGE**
[54] **SYSTEME DE COLLECTE ET D'IDENTIFICATION D'ETATS DE LA PEAU A PARTIR D'IMAGES ET DE CONNAISSANCES D'EXPERT**
[72] ABID, ABDELLATIF, US
[72] SANFIZ, ALBERT JIMENEZ, CA
[72] ROMERO LOPEZ, ADRIA, CA
[72] JARMAIN, ERIC T., CA
[72] AKROUT, MOHAMED, CA
[72] CHALLA, ANIRUDH, CA
[72] KAWAHARA, JEREMY G., CA
[72] SOLIS-REYES, STEPHEN A., CA
[71] TRIAGE TECHNOLOGIES INC., CA
[85] 2022-03-18
[86] 2020-07-07 (PCT/IB2020/000552)
[87] (WO2021/053385)
[30] US (62/902,354) 2019-09-18
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[25] EN
[54] **IMPROVED UREA AMMONIUM SULPHATE-BASED COMPOSITION AND METHOD FOR THE MANUFACTURE THEREOF**
[54] **COMPOSITION AMELIOREE A BASE DE SULFATE D'AMMONIUM ET D'UREE ET SON PROCEDE DE FABRICATION**
[72] COLPAERT, FILIP, BE
[72] DONKERS, ELLEN HENRICA DIANA, NL
[72] VAN BELZEN, RUUD, NL
[72] VAN DE WALLE, TOM, BE
[72] VAN ELSLANDE, PAUL, NL
[71] YARA INTERNATIONAL ASA, NO
[85] 2022-03-18
[86] 2020-11-13 (PCT/EP2020/082008)
[87] (WO2021/094510)
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[51] **Int.Cl. C07K 14/545 (2006.01)**
[25] EN
[54] **IL-15 FUSION PEPTIDES USED TO TREAT CANCER**
[54] **PEPTIDES DE FUSION D'IL-15 UTILISES POUR TRAITER LE CANCER**
[72] GALUSTIAN, CHRISTINE, GB
[72] SMITH, RICHARD, GB
[72] SMOLAREK, DOROTA, GB
[72] PAPAEVANGELOU, EFTHYMIA, GB
[72] DASGUPTA, PROKAR, GB
[71] PROSTATE CANCER RESEARCH CENTRE, GB
[71] KING'S COLLEGE LONDON, GB
[85] 2022-03-18
[86] 2020-09-25 (PCT/GB2020/052328)
[87] (WO2021/058973)
[30] GB (1913804.9) 2019-09-25

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[13] A1
[51] **Int.Cl. G16B 30/10 (2019.01) G16B 30/20 (2019.01)**
[25] EN
[54] **METHOD FOR DETERMINING A MEASURE CORRELATED TO THE PROBABILITY THAT TWO MUTATED SEQUENCE READS DERIVE FROM THE SAME SEQUENCE COMPRISING MUTATIONS**
[54] **PROCEDE DE DETERMINATION D'UNE MESURE CORRELEE A LA PROBABILITE SELON LAQUELLE DEUX LECTURES DE SEQUENCE MUTEE DERIVENT DE LA MEME SEQUENCE COMPRENANT DES MUTATIONS**
[72] DARLING, AARON EARL, AU
[71] LONGAS TECHNOLOGIES PTY LTD, AU
[85] 2022-03-18
[86] 2020-09-29 (PCT/GB2020/052358)
[87] (WO2021/064365)
[30] GB (1914064.9) 2019-09-30

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[51] **Int.Cl. B32B 5/26 (2006.01) D04H 1/593 (2012.01) A61F 13/53 (2006.01) A61F 13/537 (2006.01) A61L 15/22 (2006.01)**
[25] EN
[54] **ABSORBENT NONWOVEN MATERIALS**
[54] **MATERIAUX DE NON-TISSES ABSORBANTS**
[72] DUTKIEWICZ, JACEK K., US
[72] CAVANAUGH, THOMAS J., US
[72] FONG, BRIAN, US
[71] GLATFELTER CORPORATION, US
[85] 2022-03-18
[86] 2020-09-18 (PCT/IB2020/058692)
[87] (WO2021/053588)
[30] US (62/902,038) 2019-09-18
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[51] **Int.Cl. A61K 9/00 (2006.01) A61P 19/02 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **METHODS OF TREATING AUTOIMMUNE DISEASES USING INTERLEUKIN-17 (IL-17) ANTAGONISTS**
[54] **METHODES DE TRAITEMENT DE MALADIES AUTO-IMMUNES A L'AIDE D'ANTAGONISTES DE L'INTERLEUKINE-17 (IL-17)**
[72] BAPAT, ABHIJIT, US
[72] DUMORTIER, THOMAS, CH
[72] MENDELSON, MERYL, US
[72] MPOFU, SHEPHARD, CH
[72] PRICOP, LUMINITA, US
[71] NOVARTIS AG, CH
[85] 2022-03-18
[86] 2020-09-18 (PCT/IB2020/058700)
[87] (WO2021/053591)
[30] US (62/903,070) 2019-09-20
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[51] **Int.Cl. G06F 21/62 (2013.01) G06F 16/24 (2019.01) G06F 16/53 (2019.01) G06F 16/63 (2019.01) G06F 16/903 (2019.01) G06F 16/955 (2019.01) G06K 19/06 (2006.01) H04L 9/08 (2006.01)**
[25] EN
[54] **BLOCKCHAIN DATA SEARCH METHOD**
[54] **PROCEDE DE RECHERCHE DE DONNEES DE CHAINE DE BLOCS**
[72] SHIN, HO YEOL, KR
[71] UNIQUECODE CO., LTD., KR
[85] 2022-03-18
[86] 2020-08-26 (PCT/KR2020/011432)
[87] (WO2021/071089)
[30] KR (10-2019-0123595) 2019-10-07

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[51] **Int.Cl. A61M 1/02 (2006.01) C12N 5/078 (2010.01) B01L 3/00 (2006.01)**
[25] EN
[54] **DEVICE FOR EXTRACTING PLATELET-RICH PLASMA AND EXTRACTION METHOD USING SAME**
[54] **DISPOSITIF D'EXTRACTION DE PLASMA RICHE EN PLAQUETTES ET PROCEDE D'EXTRACTION L'UTILISANT**
[72] YEO, SEONG-IL, KR
[72] BROUSSALIAN, EDOUARD, CH
[71] MEDISARANG CO., LTD., KR
[85] 2022-03-18
[86] 2020-09-08 (PCT/KR2020/012122)
[87] (WO2021/054667)
[30] US (16/574,159) 2019-09-18
[30] KR (10-2019-0158570) 2019-12-02

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[51] **Int.Cl. H04N 19/119 (2014.01) H04N 19/157 (2014.01) H04N 19/184 (2014.01) H04N 19/186 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **IMAGE ENCODING/DECODING METHOD AND DEVICE USING PALETTE MODE, AND METHOD FOR TRANSMITTING BITSTREAM**
[54] **PROCEDE ET DISPOSITIF DE CODAGE/DECODAGE D'IMAGE UTILISANT UN MODE PALETTE, ET PROCEDE DE TRANSMISSION DE TRAIN DE BITS**
[72] JANG, HYEONG MOON, KR
[72] YOO, SUNMI, KR
[72] NAM, JUNG HAK, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-03-18
[86] 2020-09-23 (PCT/KR2020/012898)
[87] (WO2021/060844)
[30] US (62/904,578) 2019-09-23

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[13] A1
[51] **Int.Cl. A23L 5/00 (2016.01) A47J 44/00 (2006.01) B25J 11/00 (2006.01) B25J 15/04 (2006.01)**
[25] EN
[54] **A ROBOTIC COOKING SYSTEM**
[54] **SYSTEME DE CUISSON ROBOTISE**
[72] PORUKS, JANIS, LV
[72] KORCJOMKINS, KONSTANTINS, LV
[71] ROBOEATZ, SIA, LV
[85] 2022-03-18
[86] 2020-08-28 (PCT/LV2020/050002)
[87] (WO2021/066637)
[30] LV (P-19-52) 2019-10-03

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[13] A1
[51] **Int.Cl. G09B 9/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EVALUATING THE TRAINING OF AN OPERATOR IN A TRAINING MISSION IN REAL TIME**
[54] **SYSTEME ET PROCEDE D'EVALUATION DE L'APPRENTISSAGE D'UN OPERATEUR DANS UNE MISSION D'APPRENTISSAGE EN TEMPS REEL**
[72] CICCARELLI, ROBERTO, IT
[72] ROVEA, EMANUELE, IT
[72] OLLOSU, FRANCESCO, IT
[72] RIGATO, PAOLO, IT
[71] LEONARDO S.P.A., IT
[85] 2022-03-18
[86] 2020-09-18 (PCT/IB2020/058729)
[87] (WO2021/053612)
[30] IT (102019000016859) 2019-09-20

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[51] **Int.Cl. H01L 21/334 (2006.01) H01L 21/3065 (2006.01) H01L 29/12 (2006.01) H01L 29/778 (2006.01)**
[25] EN
[54] **ENHANCEMENT-MODE HIGH ELECTRON MOBILITY TRANSISTORS WITH SMALL FIN ISOLATION FEATURES**
[54] **TRANSISTORS A HAUTE MOBILITE D'ELECTRONS A MODE D'AMELIORATION DOTES DE CARACTERISTIQUES D'ISOLATION DE PETITES AILETTES**
[72] LOGHMANY, ALIREZA, CA
[72] AL-ALAM, ELIAS, CA
[72] LAPOINTE, JEAN, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2022-03-18
[86] 2020-09-18 (PCT/IB2020/058738)
[87] (WO2021/053619)
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[51] **Int.Cl. H04N 19/11 (2014.01) H04N 19/119 (2014.01) H04N 19/122 (2014.01) H04N 19/132 (2014.01) H04N 19/176 (2014.01) H04N 19/18 (2014.01) H04N 19/61 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **TRANSFORM-BASED IMAGE CODING METHOD, AND DEVICE THEREFOR**
[54] **PROCEDE DE CODAGE D'IMAGE BASE SUR UNE TRANSFORMEE ET DISPOSITIF ASSOCIE**
[72] KOO, MOONMO, KR
[72] KIM, SEUNGHWAN, KR
[72] SALEHIFAR, MEHDI, KR
[72] LIM, JAEHYUN, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-03-18
[86] 2020-09-15 (PCT/KR2020/012405)
[87] (WO2021/054691)
[30] US (62/902,990) 2019-09-20

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[51] **Int.Cl. G01R 22/06 (2006.01) G01R 31/12 (2020.01)**
[25] EN
[54] **ELECTRICAL ARC DETECTION FOR ELECTRIC METER SOCKET CONNECTIONS**
[54] **DETECTION D'ARC ELECTRIQUE POUR CONNEXIONS DE PRISE DE COMPTEUR ELECTRIQUE**
[72] KRAUS, MATTHEW E., US
[72] BOUDREAU, JR., FRANK J., US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2022-03-19
[86] 2020-09-03 (PCT/US2020/049153)
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[30] US (16/586,200) 2019-09-27

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[51] **Int.Cl. A61N 5/10 (2006.01)**
[25] EN
[54] **DEVICE FOR THE RADIOTHERAPY TREATMENT OF CANCER PATIENTS**
[54] **DISPOSITIF POUR LE TRAITEMENT PAR RADIOTHERAPIE DE PATIENTS ATTEINTS D'UN CANCER**
[72] FELICI, GIUSEPPE, IT
[72] CARELLA, GIUSEPPE, IT
[72] DI FRANCESCO, MASSIMO, IT
[72] BARONE, SALVATORE, IT
[72] FAILLACE, LUIGI, IT
[72] MIGLIORATI, MAURO, IT
[72] SPATARO, BRUNO, IT
[72] PALUMBO, LUIGI, IT
[72] MOSTACCI, ANDREA, IT
[71] S.I.T.-SORDINA IORT TECHNOLOGIES S.P.A., IT
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[86] 2020-08-10 (PCT/IT2020/050203)
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[30] IT (102019000016760) 2019-09-19

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[51] **Int.Cl. A61K 31/58 (2006.01) A01N 25/04 (2006.01) A01N 53/00 (2006.01) A01N 53/04 (2006.01) A61K 9/06 (2006.01) A61K 31/215 (2006.01) A61K 31/216 (2006.01) A61P 17/04 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOUNDS AND METHODS OF USE**
[54] **COMPOSES PHARMACEUTIQUES ET PROCEDES D'UTILISATION**
[72] MASON, KENNETH VINCENT, AU
[71] DERMCARE-VET PTY LTD, AU
[85] 2022-03-21
[86] 2020-09-23 (PCT/AU2020/051003)
[87] (WO2021/056056)
[30] AU (2019903522) 2019-09-23

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[51] **Int.Cl. G01N 3/00 (2006.01) G06F 30/13 (2020.01) G06F 30/23 (2020.01) G01M 7/02 (2006.01)**
[25] EN
[54] **DESIGN SYSTEM AND DESIGN METHOD**
[54] **SYSTEME DE CONCEPTION ET PROCEDE DE CONCEPTION**
[72] IKEDA, RYOSUKE, JP
[72] NITTA, YASUO, JP
[72] KAWAMOTO, YUHO, JP
[72] TSUKADA, TAKAAKI, JP
[72] TANAKA, YOSHIKI, JP
[72] YACHI, KOSEI, JP
[72] GOTO, SATOKO, JP
[72] MATSUMOTO, MASAMU, JP
[71] SHIMIZU CORPORATION, JP
[85] 2022-03-18
[86] 2020-06-16 (PCT/JP2020/023511)
[87] (WO2021/059620)
[30] JP (2019-177125) 2019-09-27
[30] JP (2019-177126) 2019-09-27

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[51] **Int.Cl. G06Q 10/06 (2012.01) A47F 10/00 (2006.01) A47J 37/12 (2006.01) G06Q 10/00 (2012.01)**
[25] EN
[54] **FRYING OIL PROCESSING WORK INFORMATION REPORTING SYSTEM AND FRYING OIL PROCESSING WORK INFORMATION REPORTING METHOD**
[54] **SYSTEME DE RAPPORT D'INFORMATIONS D'OPERATION DE TRAITEMENT D'HUILE DE FRITURE ET PROCEDE DE RAPPORT D'INFORMATIONS D'OPERATION DE TRAITEMENT D'HUILE DE FRITURE**
[72] SUZUKI, TAKESHI, JP
[72] INOUE, MASAMI, JP
[72] HAKAMADA, KAZUHIKO, JP
[72] KOZONO, SHINSUKE, JP
[72] WATANABE, KENICHI, JP
[71] J-OIL MILLS, INC., JP
[85] 2022-03-18
[86] 2020-07-30 (PCT/JP2020/029361)
[87] (WO2021/059742)
[30] JP (2019-176824) 2019-09-27

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[51] **Int.Cl. A61K 38/00 (2006.01) A61P 7/02 (2006.01) C12N 9/50 (2006.01)**
[25] EN
[54] **THROMBOLYTIC AGENTS FOR INTRAVASCULAR CLOTS**
[54] **AGENTS THROMBOLYTIQUES POUR LES CAILLOTS INTRAVASCULAIRES**
[72] HONG, SEONG TSHOOL, KR
[72] KIM, HYEON JIN, KR
[72] HASSAN, MDMEHEDI, KR
[71] JINIS CO., LTD., KR
[85] 2022-03-18
[86] 2020-10-19 (PCT/KR2020/014217)
[87] (WO2021/080262)
[30] KR (10-2019-0131585) 2019-10-22

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[51] **Int.Cl. A61K 9/127 (2006.01) A61K 8/04 (2006.01) A61K 8/14 (2006.01) A61K 47/06 (2006.01) A61K 47/18 (2017.01) A61K 47/24 (2006.01) A61P 17/00 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **LIPID VESICLE COMPOSITIONS WITH PENETRATION ENHANCING AGENTS**
[54] **COMPOSITIONS DE VESICULES LIPIDIQUES A L'AIDE D'AGENTS AMELIORANT LA PENETRATION**
[72] FOLDVARI, MARIANNA, CA
[71] DDS RESEARCH INC., CA
[85] 2022-03-21
[86] 2020-09-23 (PCT/CA2020/051275)
[87] (WO2021/056106)
[30] US (62/904,584) 2019-09-23
[30] US (62/904,606) 2019-09-23

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[51] **Int.Cl. C09D 5/24 (2006.01) C09D 7/61 (2018.01) B05D 5/12 (2006.01) B05D 7/02 (2006.01) C09D 123/00 (2006.01) C09D 133/06 (2006.01)**
[25] EN
[54] **AQUEOUS WHITE CONDUCTIVE PRIMER COATING COMPOSITION AND METHOD OF FORMING MULTILAYERED COATING FILM USING SAME**
[54] **COMPOSITION AQUEUSE DE REVETEMENT D'APPRET CONDUCTEUR BLANC ET PROCEDE DE FORMATION DE FILM DE REVETEMENT MULTICOUCHES UTILISANT CELLE-CI**
[72] HONDA, TAKUMU, JP
[72] ONO, TAKAYUKI, JP
[72] TONOMURA, HIRONORI, JP
[72] NAHATA, NOBUYUKI, JP
[71] KANSAI PAINT CO., LTD., JP
[71] TOYO INK SC HOLDINGS CO., LTD., JP
[71] TOYOCOLOR CO., LTD., JP
[85] 2022-03-18
[86] 2020-09-16 (PCT/JP2020/035048)
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[30] JP (2019-172015) 2019-09-20

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[51] **Int.Cl. G16C 20/00 (2019.01) G16C 20/30 (2019.01) G16C 20/64 (2019.01) G16C 20/70 (2019.01) A01N 61/00 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SYNERGISTIC PESTICIDE SCREENING**
[54] **SYSTEMES ET PROCEDES DE CRIBLAGE DE PESTICIDE SYNERGIQUE**
[72] LAMBRINOUDIS, COSTANTINOS, CA
[72] SHOKATIAN, SADEGH, CA
[72] BUI, LE LINH, CA
[72] SNOW, OLIVER, CA
[71] TERRAMERA, INC., CA
[85] 2022-03-21
[86] 2020-09-25 (PCT/CA2020/051285)
[87] (WO2021/056116)
[30] US (62/906,341) 2019-09-26
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[72] DRAKE, PENELOPE M., US
[71] R.P. SCHERER TECHNOLOGIES, LLC, US
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[54] **SEMI-REMORQUE DE FRACTURATION A TURBINE**
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[72] LI, XIANCE, CN
[72] LI, XINCHENG, CN
[72] LAN, CHUNQIANG, CN
[72] WU, YIPENG, CN
[72] MAO, ZHUQING, CN
[72] CHANG, SHENG, CN
[72] JI, XIAOLEI, CN
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[54] **APPARATUS FOR SYSTEMIC HUMAN ENHANCEMENT FROM ADMINISTRATION OF FREQUENCY THERAPY INCLUDING ENHANCED STEM CELL AND GENETIC THERAPY AND METHODS FOR USING SAME**
[54] **APPAREIL D'AMELIORATION SYSTEMIQUE HUMAINE A PARTIR DE L'ADMINISTRATION D'UNE THERAPIE PAR FREQUENCE COMPRENANT UNE CELLULE SOUCHE AMELIOREE ET UNE THERAPIE GENETIQUE ET SES PROCEDES D'UTILISATION**
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[72] SOUTER, BLAIR A., US
[71] GILES, BRIAN C., US
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[54] **CRISTAL DE DERIVE DE 1,3,5-TRIAZINE OU SOLVATE DE CELUI-CI ET SON PROCEDE DE PRODUCTION**
[72] KAI, HIROYUKI, JP
[72] MAKI, TOSHIKATSU, JP
[72] ODA, SHINICHI, JP
[72] BAN, KAZUNORI, JP
[72] TSUBONE, KOICHI, JP
[72] HOSOYA, MASAHIRO, JP
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[72] YE, GUOHUA, CN
[72] SI, XIAOBO, CN
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[54] **SYSTEMES ET PROCEDES DE PREDICTION ET DE DETECTION DE CRISE EPILEPTIQUE**
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[72] HAJINOROOZI, MEHDI, US
[72] KARUNAKARAN, SUGANYA, US
[72] GRANT, ALEXANDER, US
[72] YI, JIANCHUN, US
[72] WOO, RAYMOND, US
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[72] CHAO, XINGJUAN, US
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[54] **SYSTEMS AND METHODS FOR ESTIMATING REFINED RESERVOIR PRODUCTIVITY VALUES AS A FUNCTION OF POSITION IN A SUBSURFACE VOLUME OF INTEREST**
[54] **SYSTEMES ET PROCEDES D'ESTIMATION DE VALEUR DE PRODUCTIVITE DE RESERVOIR AFFINEE EN FONCTION DE LA POSITION DANS UN VOLUME SOUTERRAIN D'INTERET**
[72] PROCHNOW, SHANE JAMES, US
[72] REDDY, LILIIA, US
[72] LIN, YUANBO, US
[72] PAPAZIS, PETROS, US
[71] CHEVRON U.S.A. INC., US
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[54] **APPAREIL, SYSTEMES ET PROCEDES DE DESHYDRATATION**
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[72] DRESCHER, ROSS, US
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[54] **TECHNIQUES DE PRISE DE DECISION D'APPARIEMENT COMPORTEMENTAL DANS UN SYSTEME D'ATTRIBUTION DE TACHE**
[72] O'BRIEN, CAROLINE, AU
[72] LOPEZ-PORTILLO, JULIAN, MX
[72] GARBACIK, KARL, US
[72] KAN, ITTAI, US
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[54] **EFFETS ANTIMICROBIENS SYNERGIQUES PARMI L'EXTRAIT DE ROMARIN, LE DEXTROSE CULTIVE ET LE VINAIGRE TAMPONNE**
[72] LEE, ANDREW, US
[72] BECKETT, AMBER, US
[72] JOSEPH, POULSON, US
[72] STOUFER, SLOANE, US
[72] PHAM-MONDALA, ALESSANDRA, US
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[54] **CONVEYOR SYSTEM AND METHOD OF OPERATING THE SAME**
[54] **SYSTEME DE TRANSPORTEUR ET SON PROCEDE DE FONCTIONNEMENT**
[72] MIGNANO, PAOLO, IT
[71] OCM S.P.A., IT
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[54] **SCHEMA DE CODAGE POUR VIDEO IMMERSIVE AVEC SOUS-ECHANTILLONNAGE ASYMETRIQUE ET APPRENTISSAGE AUTOMATIQUE**
[72] KROON, BART, NL
[72] VAREKAMP, CHRISTIAAN, NL
[71] KONINKLIJKE PHILIPS N.V., NL
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[71] BRADY WORLDWIDE, INC., US
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[54] **COLLECTE D'ELUAT PENDANT UNE CHROMATOGRAPHIE D'ANTICORPS**
[72] DAUBERT, DANIELA, DE
[72] GELTINGER, DOMINIK, DE
[72] FELDERER, KARIN, DE
[71] MORPHOSYS AG, DE
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[54] **COMPOSES HETEROCYCLIQUES**
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[72] GOBBI, LUCA, CH
[72] GRETHER, UWE, CH
[72] HANLON, STEVEN PAUL, CH
[72] HORNSPERGER, BENOIT, CH
[72] KROLL, CARSTEN, CH
[72] KUHN, BERND, CH
[72] KURATLI, MARTIN, CH
[72] LIU, GUOFU, CN
[72] O'HARA, FIONN, CH
[72] RICHTER, HANS, CH
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[54] **THERMAL MANAGEMENT SYSTEMS FOR ELECTRIC VEHICLE PLATFORMS**
[54] **SYSTEMES DE GESTION THERMIQUE POUR PLATEFORMES DE VEHICULES ELECTRIQUES**
[72] COCHRAN, WILLIAM ICE, US
[72] SMITH, WILLIAM RUTHERFORD, US
[72] ELKENKAMP, MARCO, US
[71] CANOO TECHNOLOGIES INC., US
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[54] **DETECTION D'ULTRASONS ET IMAGERIE PAR ULTRASONS A BASE DE MICRORESONATEURS EN MODE GALERIE DE CHUCHOTEMENT (WGM)**
[72] YANG, LAN, US
[72] ZHAO, GUANGMING, US
[72] JIANG, XUEFENG, US
[72] LI, YIHANG, US
[71] WASHINGTON UNIVERSITY, US
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[54] **METHOD TO INDEPENDENTLY ANALYZE MULTIPLE BIOLOGICAL PROCESSES IN ENCAPSULATED 3D CELL CO-CULTURES**
[54] **PROCEDE D'ANALYSE INDEPENDANTE DE MULTIPLES PROCESSUS BIOLOGIQUES DANS DES CO-CULTURES CELLULAIRES 3D ENCAPSULEES**
[72] SEGALA, GREGORY, FR
[72] PEJOSKI, DAVID, CH
[72] ROUX, AURELIEN, CH
[72] PICARD, DIDIER, CH
[72] MOREAU, DIMITRI VINCENT, FR
[72] BOURRAT, BRYAN JOSUE, FR
[71] UNIVERSITE DE GENEVE, CH
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[72] DAVIES, DAVID MARC, GB
[71] KING'S COLLEGE LONDON, GB
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[54] **PURIFICATION DE PROTEINES A L'AIDE D'UN SYSTEME D'INTEINE DIVISE**
[72] SEVINSKY, CHRISTOPHER JAMES, US
[72] LUNDBACK, PETER, SE
[72] OHMAN, JOHAN, SE
[72] GROSSMANN, GREGORY, US
[72] DINN, SEAN R., US
[71] CYTIVA BIOPROCESS R&D AB, SE
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[54] **AQUEOUS DISPERSION OF POLYMER PARTICLES AND USES THEREOF AS AN ADHESIVE COMPOSITION**
[54] **DISPERSION AQUEUSE DE PARTICULES DE POLYMERE ET SES UTILISATIONS EN TANT QUE COMPOSITION ADHESIVE**
[72] ZHOU, HUA, CN
[72] SAIJA, LEO MARIO, IT
[71] ARKEMA FRANCE, FR
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[54] **PROTEINES DE LIAISON A UN ANTIGENE**
[72] DEGENHARDT, YAN Y, US
[72] GUAN, JUN, US
[72] HANCE, KENNETH WILLIAM, US
[72] MORLEY, PETER JOSEPH, GB
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
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[25] EN
[54] **A SELF-DRIVEN CARRIAGE FOR AUTOMATICALLY STORING AND ACCESSING CONTAINERS IN A STORAGE RACK ARRANGEMENT**
[54] **CHARIOT AUTO-ENTRAINE POUR STOCKER ET ACCEDER AUTOMATIQUEMENT A DES CONTENEURS DANS UN AGENCEMENT DE RAYONNAGE DE STOCKAGE**
[72] SOLOVIANENKO, SERGEY VLADIMIROVICH, RU
[71] ARISTOKLITOS ENTERPRISES LTD., CY
[85] 2022-03-21
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[25] EN
[54] **TRANSDERMAL COMPOSITIONS COMPRISING CANNABIDIOL (CBD) FOR USE IN THE TREATMENT OF SEIZURE DISORDERS**
[54] **COMPOSITIONS TRANSDERMIQUES COMPRENANT DU CANNABIDIOL (CBD) DESTINEES A ETRE UTILISEES DANS LE TRAITEMENT DE TROUBLES EPILEPTIQUES**
[72] PLAKOGIANNIS, FOTIOS M., US
[72] LATHER, TAMANNA, US
[72] MODI, NISARG, US
[72] BOROVINSKAYA, MARINA, US
[71] PIKE THERAPEUTICS, INC., 1219014 B.C. LTD., CA
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[54] **PROCESS FOR THE PRODUCTION OF 5-(4-((2S,5S)-5-(4-CHLOROBENZYL)-2-METHYLMORPHOLINO)PIPERIDIN-1-YL)-1H-1,2,4-TRIAZOL-3-AMINE**
[54] **PROCEDE DE PRODUCTION DE 5-(4-((2 S,5 S)-5-(4-CHLOROBENZYL)-2-METHYLMORPHOLINO) PIPERIDIN-1-YL))-1 H-1,2,4-TRIAZOL-3-AMINE**
[72] WITKOWSKI, GRZEGORZ, PL
[72] MAGDYCZ, MARTA, PL
[72] TYSZKIEWICZ, MAGDALENA, PL
[72] ZAKRZEWSKI, MARCIN, PL
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[71] ONCOARENDI THERAPEUTICS S.A., PL
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[54] **POLYMER-CERAMIC COMPOSITE HOUSINGS AND HOUSING COMPONENTS FOR PORTABLE ELECTRONIC DEVICES**
[54] **BOITIERS EN COMPOSITE POLYMERE-CERAMIQUE ET ELEMENTS DE BOITIERS POUR DISPOSITIFS ELECTRONIQUES PORTABLES**
[72] BAJAJ, DEVENDRA NARAYANDAS, NL
[72] LEENDERS, CHIEL ALBERTUS, NL
[72] HOOGLAND, GABRIEL JULIANUS MARIA, NL
[72] KALYANARAMAN, VISWANATHAN, NL
[72] YOUNGSTROM, CAMERON, NL
[71] SHPP GLOBAL TECHNOLOGIES B.V., NL
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[54] **TRANSDERMAL DELIVERY OF CANNABIDIOL**
[54] **ADMINISTRATION TRANSDERMIQUE DE CANNABIDIOL**
[72] PLAKOGIANNIS, FOTIOS M., US
[72] LATHER, TAMANNA, US
[72] MODI, NISARG, US
[72] BOROVINSKAYA, MARINA, US
[71] PIKE THERAPEUTICS, INC., 1219014 B.C. LTD., CA
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[54] **PATTERNING DEVICE FOR THE PREPARATION OF THREE-DIMENSIONAL STRUCTURES AND METHOD FOR THE PRODUCTION THEREOF**
[54] **DISPOSITIF DE FORMATION DE MOTIFS POUR LA PREPARATION DE STRUCTURES TRIDIMENSIONNELLES, ET PROCEDE DE PRODUCTION ASSOCIE**
[72] SERRA, TIZIANO, CH
[72] THURNER, MARC, CH
[71] AO TECHNOLOGY AG, CH
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[54] **SYSTEMS, DEVICES, AND METHODS FOR REMOTE COLLECTION OF BIOMETRIC DATA AND SPECIMEN SAMPLE WITH IDENTITY VERIFICATION OF COLLECTOR**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE COLLECTE A DISTANCE DE DONNEES BIOMETRIQUES ET D'ECHANTILLON DE PRELEVEMENT AVEC VERIFICATION D'IDENTITE DE COLLECTEUR**
[72] FUNG, PHILIP, US
[72] EBBERSON, RESHMA, US
[72] SRINIVASAN, LAKSHMINARAYAN, US
[71] THE KIT COMPANY, INC., US
[85] 2022-03-18
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[54] **COMPOSITIONS AND METHODS RELATED TO ENGINEERED FC-ANTIGEN BINDING DOMAIN CONSTRUCTS TARGETED TO CD38**
[54] **COMPOSITIONS ET PROCEDES ASSOCIES A DES CONSTRUCTIONS DE DOMAINE DE LIAISON A L'ANTIGENE FC DIRIGES SUR CD38**
[72] ORTIZ, DANIEL, US
[72] CHOUDHURY, AMIT, US
[71] MOMENTA PHARMACEUTICALS, INC., US
[85] 2022-03-18
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[54] **TIBIAL PLATEAU LEVELING OSTEOTOMY PLATE WITH OFFSET**
[54] **PLAQUE D'OSTEOTOMIE DE NIVELLEMENT DU PLATEAU TIBIAL AVEC DECALAGE**
[72] DAYE, ROBERT MARK, US
[71] NEW GENERATION DEVICES, INC., US
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[54] **IMPROVED BIKE RACK FRAME CLAMPS, SYSTEMS AND METHODS**
[54] **PINCES, SYSTEMES ET PROCEDES AMELIORES DE CADRE DE SUPPORT A VELOS**
[72] CASAGRANDE, CHARLES L., US
[72] KAPPER, BRAD, US
[71] SEASUCKER, LLC, US
[85] 2022-03-18
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[54] **INTEGRATED SQUEEZABLE CONTAINERS AND MANUFACTURE THEREOF**
[54] **RECIPIENTS COMPRESSIBLES INTEGRES ET LEUR FABRICATION**
[72] KLEYMAN, GENNADY I., US
[72] CHERNOV, YURIY, US
[71] KLECHER, LLC, US
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[54] **CARDIAC VALVE ANNULUS REDUCTION SYSTEM**
[54] **SYSTEME DE REDUCTION D'ANNEAU DE VALVE CARDIAQUE**
[72] NEUMARK, DAVID, IL
[72] MELLER, NIMROD, IL
[71] CARDIAC IMPLANTS LLC, US
[85] 2022-03-18
[86] 2020-09-24 (PCT/US2020/052438)
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[54] **COMPOSITIONS AND METHODS FOR MICROBIOME MODULATION**
[54] **COMPOSITIONS ET METHODES POUR LA MODULATION DU MICROBIOME**
[72] SAKATOS, ALEXANDRA, US
[72] CUMMINGS, MATTHEW JAMES, GB
[72] KAU, ANDREW, US
[72] ROSEN, ANNE, US
[72] PAEZ ESPINO, ANTONIO DAVID, US
[71] ANCILIA, INC., US
[71] WASHINGTON UNIVERSITY, US
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[54] **METHODS AND SYSTEMS FOR CONTINUOUS ASYNCHRONOUS CODE DEPLOYMENT**
[54] **PROCEDES ET SYSTEMES DE DEPLOIEMENT CONTINU DE CODE ASYNCHRONE**
[72] HART, JEFFREY, US
[72] BACKES, ANDREW, US
[72] BELLO, ALEX, US
[72] MOSQUERA, ISAAC, US
[71] ARMORY, INC., US
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[54] **PIPE CUTTING APPARATUS HAVING A HAND GUARD**
[54] **APPAREIL DE COUPE DE TUYAU DOTE D'UN PROTEGE-MAIN**
[72] WADE, JIMI, US
[72] KING, MARK, US
[71] TEAM INDUSTRIAL SERVICES, INC., US
[85] 2022-03-18
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[54] **INHIBITORS OF RECEPTOR INTERACTING PROTEIN KINASE I FOR THE TREATMENT OF DISEASE**
[54] **INHIBITEURS DE LA PROTEINE KINASE I INTERAGISSANT AVEC DES RECEPTEURS POUR LE TRAITEMENT D'UNE MALADIE**
[72] LEWIS, RICHARD, US
[72] HAMILTON, MATTHEW, US
[72] RAY, WILLIAM, US
[72] ALVAREZ, FERNANDO, US
[72] PFAFFINGER, DANA, US
[72] REYNA, NAPHTALI, US
[72] CROSS, JASON, US
[72] RAMASWAMY, SUYAMBU KESAVA VIJAYAN, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **METHODS FOR REDUCING REWARDING EFFECTS OF MORPHINE WITHOUT AFFECTING ITS ANALGESIC EFFECTS**
[54] **PROCEDES POUR REDUIRE LES EFFETS GRATIFIANTS DE LA MORPHINE SANS AFFECTER SES EFFETS ANALGESIQUES**
[72] LEE, FRANCIS, US
[72] RAJADHYAKSHA, ANJALI M., US
[72] MARTINEZ-RIVERA, ARLENE, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNVERSITY, US
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[54] **THREAD FORMING AND THREAD LOCKING FASTENER**
[54] **ELEMENT DE FIXATION A FORMATION DE FILETAGE ET A BLOCAGE DE FILETAGE**
[72] HEBERT, EDMUND, US
[72] GOMES, KENNETH J., US
[72] BOYER, DENNIS O., US
[72] REYNOLDS, JOHN R., US
[72] BUDZISZEK, BOBBY L., US
[71] RESEARCH ENGINEERING & MANUFACTURING, INC., US
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[54] **DYNAMIC CONTENT SERVING USING A MEDIA DEVICE**
[54] **DIFFUSION DE CONTENU DYNAMIQUE A L'AIDE D'UN DISPOSITIF MULTIMEDIA**
[72] NEUMEIER, ZEEV, US
[72] REED, BRIAN, US
[71] INSCAPE DATA, INC., US
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[54] **A RODENT MODEL OF INCREASED BONE MINERAL DENSITY**
[54] **MODELE DE RONGEUR A DENSITE MINERALE OSSEUSE ACCRUE**
[72] TANG, YAJUN, US
[72] SHULDINER, ALAN, US
[72] VAN HOUT, CRISTOPHER, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[30] US (62/930,138) 2019-11-04

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[54] **TOPICAL FORMULATIONS OF CYCLOOXYGENASE INHIBITORS AND THEIR USE**
[54] **FORMULATIONS TOPIQUES D'INHIBITEURS DE LA CYCLO-OXYGENASE ET LEUR UTILISATION**
[72] HNAT, THOMAS, US
[71] SMARTECH TOPICAL, INC., US
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[86] 2020-11-05 (PCT/US2020/059198)
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[54] **A PRESS HARDENING METHOD**
[54] **PROCEDE DE DURCISSEMENT PAR TREMPE SOUS PRESSE**
[72] GRIGORIEVA, RAISA, FR
[72] DUMINICA, FLORIN, BE
[72] NABI, BRAHIM, BE
[72] DRILLET, PASCAL, FR
[72] STUREL, THIERRY, FR
[71] ARCELORMITTAL, LU
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[54] **IMAGE CODING METHOD BASED ON TRANSFORM, AND DEVICE THEREFOR**
[54] **PROCEDE DE CODAGE D'IMAGE BASE SUR UNE TRANSFORMEE, ET DISPOSITIF ASSOCIE**
[72] KOO, MOONMO, KR
[72] LIM, JAEHYUN, KR
[72] KIM, SEUNGHWAN, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-03-21
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[87] (WO2021/054796)
[30] US (62/903,821) 2019-09-21
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[51] **Int.Cl. C12N 5/0793 (2010.01) A61K 35/30 (2015.01) A61P 25/16 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **PRODUCTION METHOD FOR INDUCED DOPAMINERGIC NEURONAL PROGENITORS, USING DIRECT REPROGRAMMING**
[54] **PROCEDE DE PRODUCTION DE PROGENITEURS NEURONAUX DOPAMINERGIQUES INDUITS PAR REPROGRAMMATION DIRECTE**
[72] KIM, JANGHWAN, KR
[72] LEE, MINHYUNG, KR
[72] SON, MI YOUNG, KR
[72] JEON, YOUNG JOO, KR
[72] BAEK, AREUM, KR
[72] LEE, YOUNG JEON, KR
[72] SEO, JINCHEOL, KR
[72] JUNG, CHO ROK, KR
[71] KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY, KR
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[30] KR (10-2019-0116258) 2019-09-20

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[54] **AEROSOL GENERATING DEVICE INCLUDING AN ELECTRODE**
[54] **DISPOSITIF DE GENERATION D'AEROSOL COMPRENANT UNE ELECTRODE**
[72] LEE, JAEMIN, KR
[71] KT&G CORPORATION, KR
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[86] 2021-07-06 (PCT/KR2021/008567)
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[54] **HUMUS TREATMENT PROCESS WITH ACTIVE NEUROLOGICAL SUBSTANCES**
[54] **PROCEDE DE TRAITEMENT D'HUMUS AVEC DES SUBSTANCES NEUROLOGIQUES ACTIVES**
[72] CHIARANUSSATI, SUCHAD, TH
[71] CHIARANUSSATI, SUCHAD, TH
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[54] **SYSTEMS AND TECHNIQUES FOR GENERATING SCENT**
[54] **SYSTEMES ET TECHNIQUES DE GENERATION DE PARFUM**
[72] FLEGO, MATTHEW, US
[72] WISNIEWSKI, SAMUEL, US
[72] WISNIEWSKI, AARON, US
[72] SOCIA, SARAH, US
[72] COOPER, ERIK, US
[72] TOULAN, ALEXANDER, US
[71] OVR TECH, LLC, US
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[30] US (62/905,936) 2019-09-25
[30] US (62/905,916) 2019-09-25
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[54] **ANTIVIRAL PYRAZOLOPYRIDINONE COMPOUNDS**
[54] **COMPOSES ANTIVIRAUX DE PYRAZOLOPYRIDINONE**
[72] KONST, ZEF, US
[72] LU, YIPIN, US
[72] MOREAU, ROBERT JOSEPH, US
[72] RAJAPAKSA, NAOMI SAMADARA, US
[72] SHEARN-NANCE, GALEN, US
[72] TULLY, DAVID CHARLES, US
[72] TURNER, MICHAEL ROBERT, US
[72] YOUNG, JOSEPH MICHAEL, US
[72] ZHAO, QIAN, US
[72] CORKEY, BRITTON K., US
[72] METOBO, SAMUEL E., US
[71] NOVARTIS AG, CH
[71] GILEAD SCIENCES, INC., US
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[25] EN
[54] **METHODS FOR CELLULARLY ADDRESSABLE NUCLEIC ACID SEQUENCING**
[54] **PROCEDES DE SEQUENCAGE D'ACIDE NUCLEIQUE ADRESSABLE CELLULAIREMENT**
[72] PREVITE, MICHAEL, US
[72] HE, MOLLY, US
[72] ZHAO, JUNHUA, US
[72] ARSLAN, SINAN, US
[72] KELLINGER, MATTHEW, US
[72] BERTI, LORENZO, US
[72] MAH, HUI ZHEN, US
[72] CHEN, STEVE, US
[72] ZHOU, CHUNHONG, US
[71] ELEMENT BIOSCIENCES, INC., US
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[30] US (62/904,623) 2019-09-23

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[25] EN
[54] **NOVEL SUBSTITUTED QUINOLINE-8-CARBONITRILE DERIVATIVES HAVING ANDROGEN RECEPTOR DEGRADATION ACTIVITY AND USES THEREOF**
[54] **NOUVEAUX DERIVES DE QUINOLEINE-8-CARBONITRILE SUBSTITUES AYANT UNE ACTIVITE DE DEGRADATION DU RECEPTEUR DES ANDROGENES ET LEURS UTILISATIONS**
[72] FAN, JIE, US
[72] QIAN, YIMIN, US
[72] HE, WEI, US
[72] LIU, KE, US
[71] ACCUTAR BIOTECHNOLOGY INC., US
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[54] **ANTI-CD30 ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-CD30 ET PROCEDES D'UTILISATION**
[72] MEDIN, JEFFREY A., US
[72] FABER, MARY L., US
[72] TATE, EVERETT R., US
[72] OLDHAM, ROBYN A.A., US
[71] THE MEDICAL COLLEGE OF WISCONSIN, INC., US
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[54] **SYSTEM AND METHOD FOR THE DEVELOPMENT OF CD30 BISPECIFIC ANTIBODIES FOR IMMUNOTHERAPY OF CD30+ MALIGNANCIES**
[54] **SYSTEME ET PROCEDE DE DEVELOPPEMENT D'ANTICORPS BISPECIFIQUES CD30 POUR L'IMMUNOTHERAPIE DE MALIGNITES CD30+**
[72] MEDIN, JEFFREY A., US
[72] LUM, LAWRENCE G., US
[72] OLDHAM, ROBYN A.A., US
[72] THAKUR, ARCHANA, US
[71] THE MEDICAL COLLEGE OF WISCONSIN, INC., US
[71] UNIVERSITY OF VIRGINIA PATENT FOUNDATION, US
[85] 2022-03-21
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[30] US (62/735,576) 2018-09-24

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[51] **Int.Cl. A47J 31/46 (2006.01)**
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[54] **BEVERAGE MACHINE WITH INTERNAL AND EXTERNAL WATER RESERVOIRS**
[54] **MACHINE A BOISSON DOTEE DE RESERVOIRS D'EAU INTERNE ET EXTERNE**
[72] STACY, DEVAN, US
[72] WORTH COBLE, BENJAMIN, US
[71] KEURIG GREEN MOUNTAIN, INC., US
[85] 2022-03-21
[86] 2020-09-21 (PCT/US2020/051749)
[87] (WO2021/061552)
[30] US (62/904,782) 2019-09-24

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[25] EN
[54] **ELECTRODES FOR ENERGY STORAGE DEVICES**
[54] **ELECTRODES POUR DISPOSITIFS DE STOCKAGE D'ENERGIE**
[72] BRAMBILLA, NICOLO, US
[72] CAO, WANJUN BEN, US
[72] YAN, JIN, US
[72] CHEN, XUJIE, US
[72] DU, TING, US
[72] PARK, KITAE, US
[71] FASTCAP SYSTEMS CORPORATION, US
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[86] 2020-07-06 (PCT/US2020/040943)
[87] (WO2021/007183)
[30] US (62/871,041) 2019-07-05
[30] US (62/876,124) 2019-07-19
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[30] US (63/003,341) 2020-04-01
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[25] EN
[54] **COMPOSITE GRAPHENE ENERGY STORAGE METHODS, DEVICES, AND SYSTEMS**
[54] **PROCEDES, DISPOSITIFS ET SYSTEMES DE STOCKAGE D'ENERGIE A BASE DE GRAPHENE COMPOSITE**
[72] EL-KADY, MAHER F., US
[72] WANG, HAOSEN, US
[72] KANER, RICHARD B., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-03-21
[86] 2020-09-25 (PCT/US2020/052618)
[87] (WO2021/062081)
[30] US (62/906,844) 2019-09-27
[30] US (16/784,578) 2020-02-07

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[54] **XANTHINE CB1 INHIBITORS**
[54] **INHIBITEURS DE XANTHINE CB1**
[72] YU, MAOLIN, US
[72] WILLIAMS, BRETT D., US
[72] LEDEBOER, MARK W., US
[72] HARMANGE, JEAN-CHRISTOPHE P., US
[72] CARRA, SYDNEY E., US
[71] GOLDFINCH BIO, INC., US
[85] 2022-03-21
[86] 2020-09-25 (PCT/US2020/052627)
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[30] US (62/905,638) 2019-09-25

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[51] **Int.Cl. B25J 9/00 (2006.01) B25J 9/10 (2006.01) B25J 13/00 (2006.01) B25J 13/08 (2006.01) B25J 15/00 (2006.01) B25J 19/00 (2006.01) B25J 19/02 (2006.01)**
[25] EN
[54] **DETECTING SLIPPAGE FROM ROBOTIC GRASP**
[54] **DETECTION DE GLISSEMENT A PARTIR D'UNE PREHENSION DE ROBOT**
[72] SU, HARRY ZHE, US
[72] SUN, ZHOUWEN, US
[72] MENON, SAMIR, US
[71] DEXTERITY, INC., US
[85] 2022-03-21
[86] 2020-09-25 (PCT/US2020/052660)
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[30] US (62/926,162) 2019-10-25
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[25] EN
[54] **COMBINATION ANTI-CD30 ADC, ANTI-PD-1 AND CHEMOTHERAPEUTIC FOR TREATMENT OF HEMATOPOIETIC CANCERS**
[54] **COMBINAISON D'ADC ANTI-CD30, D'ANTI-PD-1 ET D'AGENT CHIMIOTHERAPEUTIQUE POUR LE TRAITEMENT DE CANCERS HEMATOPOIETIQUES**
[72] MANLEY, THOMAS, US
[71] SEAGEN INC., US
[85] 2022-03-21
[86] 2020-09-25 (PCT/US2020/052674)
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[30] US (62/905,701) 2019-09-25

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[25] EN
[54] **GERMICIDAL COMPOSITIONS FOR IMPROVED BIOCIDE RECOVERY AND EFFICACY**
[54] **COMPOSITIONS GERMICIDES POUR UNE RECUPERATION ET UNE EFFICACITE DE BIOCIDE AMELIOREES**
[72] DURDEN, CATHERINE, US
[72] WOJTOWICZ, KAMIL, US
[72] ZHENG, TAO, US
[71] EDGEWELL PERSONAL CARE BRANDS, LLC, US
[85] 2022-03-21
[86] 2020-09-25 (PCT/US2020/052684)
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[54] **RATE CONTROL SEQUENCE FOR DIVERSION TREATMENT**
[54] **SEQUENCE DE REGULATION DE DEBIT POUR TRAITEMENT PAR DERIVATION**
[72] DUSTERHOFT, RONALD GLEN, US
[72] STEPHENSON, STANLEY V., US
[72] HUNTER, TIM HOLIMAN, US
[72] CAMP, JOSHUA LANE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-03-21
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[25] EN
[54] **BEVERAGE MACHINE WITH AUTOMATED BREW PARAMETER ADJUSTMENT**
[54] **MACHINE A BOISSON AVEC REGLAGE DE PARAMETRE D'INFUSION AUTOMATISE**
[72] HADDEN, JEFFREY SOL, US
[72] AHMED, MUSTAFA KAMAL, US
[72] LAVENE, JASON, US
[71] KEURIG GREEN MOUNTAIN, INC., US
[85] 2022-03-21
[86] 2020-09-22 (PCT/US2020/051946)
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[25] EN
[54] **BREWING MACHINE BEVERAGE INGREDIENT CHAMBER**
[54] **CHAMBRE D'INGREDIENT DE BOISSON DE MACHINE A INFUSER**
[72] LI, TSZ YIN, CN
[72] CHOI, KIN CHUNG, CN
[71] KEURIG GREEN MOUNTAIN, INC., US
[85] 2022-03-21
[86] 2020-09-22 (PCT/US2020/051947)
[87] (WO2021/061615)
[30] US (62/905,476) 2019-09-25

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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 48/00 (2006.01) C12N 15/09 (2006.01) C12N 15/67 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR MODULATING FRATAXIN EXPRESSION AND TREATING FRIEDRICH'S ATAXIA**
[54] **PROCEDES ET COMPOSITIONS POUR MODULER L'EXPRESSION DE LA FRATAXINE ET TRAITER L'ATAXIE DE FRIEDREICH**
[72] LUNARDI, SERENA, US
[72] SCHEIDEGGER, ADAM WALTER, US
[72] SMITH, JESSE JEROME, US
[72] FARELLI, JEREMIAH DALE, US
[72] KENNEDY, JODI MICHELLE, US
[71] OMEGA THERAPEUTICS, INC., US
[85] 2022-03-21
[86] 2020-09-23 (PCT/US2020/052101)
[87] (WO2021/061698)
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[51] **Int.Cl. A01D 34/00 (2006.01) A01M 7/00 (2006.01)**
[25] EN
[54] **HYBRID VISION SYSTEM FOR CROP LAND NAVIGATION**
[54] **SYSTEME DE VISION HYBRIDE POUR NAVIGATION TERRESTRE DE CULTURE**
[72] YOUNG, MARK, US
[71] CLIMATE LLC, US
[85] 2022-03-21
[86] 2020-09-23 (PCT/US2020/052107)
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[30] US (16/593,151) 2019-10-04

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[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6876 (2018.01) C12Q 1/6879 (2018.01) C12Q 1/68 (2018.01) G01N 33/48 (2006.01) G01N 33/49 (2006.01)**
[25] EN
[54] **METHODS, COMPOSITIONS, AND KITS FOR DETERMINING THE SEX OF A FETUS**
[54] **PROCEDES, COMPOSITIONS ET KITS POUR DETERMINER LE SEXE D'UN FOETUS**
[72] JACOB, CHRISTOPHER, US
[71] GATEWAY GENOMICS, LLC, US
[85] 2022-03-21
[86] 2020-09-23 (PCT/US2020/052187)
[87] (WO2021/061751)
[30] US (62/903,945) 2019-09-23
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[51] **Int.Cl. B21C 25/02 (2006.01) B21C 3/00 (2006.01) B21C 3/02 (2006.01) B21C 23/04 (2006.01) B21C 25/00 (2006.01)**
[25] EN
[54] **SHAPE PROCESSES, FEEDSTOCK MATERIALS, CONDUCTIVE MATERIALS, AND/OR ASSEMBLIES**
[54] **PROCEDES SHAPE, MATERIAUX DE CHARGE D'ALIMENTATION, MATERIAUX CONDUCTEURS ET/OU ENSEMBLES**
[72] GRANT, GLENN J., US
[72] KAPPAGANTULA, KEERTI S., US
[72] LI, XIAO, US
[72] WHALEN, SCOTT A., US
[72] HERLING, DARRELL R., US
[72] REZA-E-RABBY, MD., US
[72] TAYSOM, BRANDON SCOTT, US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2022-03-21
[86] 2020-09-28 (PCT/US2020/053168)
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[51] **Int.Cl. A47B 97/00 (2006.01)**
[25] EN
[54] **DETECTING ROBOT GRASP OF VERY THIN OBJECT OR FEATURE**
[54] **DETECTION DE PREHENSION PAR ROBOT D'OBJET OU DE CARACTERISTIQUE TRES MINCES**
[72] MENON, SAMIR, US
[72] SUN, ZHOUWEN, US
[72] SU, HARRY ZHE, US
[71] DEXTERITY, INC., US
[85] 2022-03-16
[86] 2020-09-25 (PCT/US2020/052657)
[87] (WO2021/080729)
[30] US (62/926,155) 2019-10-25
[30] US (17/029,415) 2020-09-23

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[25] EN
[54] **TREATMENT OF ALCOHOLIC HEPATITIS**
[54] **TRAITEMENT DE L'HEPATITE ALCOOLIQUE**
[72] LIN, WEIQI, US
[72] BROWN, JAMES E., US
[72] BLASCHKE, TERRENCE, US
[71] DURECT CORPORATION, US
[85] 2022-03-21
[86] 2020-09-29 (PCT/US2020/053315)
[87] (WO2021/067297)
[30] US (62/908,465) 2019-09-30
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[51] **Int.Cl. G06F 16/26 (2019.01) G06F 3/0481 (2022.01) G06F 16/24 (2019.01) G06F 3/04842 (2022.01)**
[25] EN
[54] **METHODS AND USER INTERFACES FOR VISUALLY ANALYZING DATA VISUALIZATIONS WITH MULTI-ROW CALCULATIONS**
[54] **PROCEDES ET INTERFACES UTILISATEUR POUR ANALYSER VISUELLEMENT DES VISUALISATIONS DE DONNEES AVEC DES CALCULS A RANGEES MULTIPLES**
[72] TALBOT, JUSTIN, US
[72] FORSTROM, AMY NICOLE, US
[72] CORY, DANIEL, US
[72] EUBANK, CHRISTIAN GABRIEL, US
[72] BOOTH JR.,, JEFFREY MARK, US
[72] BORDEN, NICOLAS, US
[71] TABLEAU SOFTWARE, LLC, US
[85] 2022-03-21
[86] 2020-09-30 (PCT/US2020/053412)
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[30] US (16/675,122) 2019-11-05

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[51] **Int.Cl. A61K 39/085 (2006.01) C07K 14/31 (2006.01)**
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[54] **STAPHYLOCOCCUS PEPTIDES AND METHODS OF USE**
[54] **PEPTIDES DE STAPHYLOCOCCUS ET PROCEDES D'UTILISATION**
[72] POOLMAN, JAN THEUNIS, NL
[72] SCHNEEWIND, OLAF, US
[72] MISSIAKAS, DOMINIQUE, US
[72] SUN, YAN, US
[72] KIM, HWAN KEUN, US
[72] SHI, MIAOMIAO, US
[72] CHEN, XINHAI, US
[72] FERNANDEZ, JEFFREY A., US
[71] JANSSEN VACCINES & PREVENTION B.V., NL
[71] THE UNIVERSITY OF CHICAGO, US
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[30] US (62/909,473) 2019-10-02
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[51] **Int.Cl. A61B 10/02 (2006.01)**
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[54] **TELESCOPING NEEDLE ASSEMBLY WITH ROTATING NEEDLE**
[54] **ENSEMBLE AIGUILLE TELESCOPIQUE A AIGUILLE ROTATIVE**
[72] FISHER, JOHN STEELE, US
[72] NODA, WAYNE A., US
[72] PARISEAU, NATHANIEL H., US
[72] PALMER, ANDREW D., US
[72] DE MARCO, VICTOR M., US
[72] FISHER, ELIZABETH A., US
[72] DRAKE, CHRISTOPHER M., US
[71] PRAXIS HOLDING LLC, US
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[30] US (62/913,015) 2019-10-09
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[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **OPPORTUNISTIC USE OF DIFFERENT MODULATION SCHEMES**
[54] **UTILISATION OPPORTUNISTE DE DIFFERENTS SCHEMAS DE MODULATION**
[72] BARTIER, JEROME, US
[72] MONIER, FABRICE, US
[72] KHALED, YACINE, US
[72] KAOUK, AHMAD, US
[72] ROUSSEL, VINCENT, US
[72] MAINAUD, BASTIEN, US
[72] NGUYEN, VIET-HUNG, US
[71] ITRON GLOBAL SARL, US
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[30] US (16/599,956) 2019-10-11

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[51] **Int.Cl. H04L 1/00 (2006.01) H04L 1/20 (2006.01)**
[25] EN
[54] **RELIABLE LINK QUALITY ESTIMATION IN MULTI-RATE NETWORKS**
[54] **ESTIMATION FIABLE DE QUALITE DE LIAISON DANS DES RESEAUX A DEBITS MULTIPLES**
[72] MAALLEM, KHALID, US
[72] BARTIER, JEROME, US
[72] BEN-MOSBAH, AZIZA, US
[72] KHALED, YACINE, US
[72] KAOUK, AHMAD, US
[71] ITRON GLOBAL SARL, US
[85] 2022-03-21
[86] 2020-10-12 (PCT/US2020/055274)
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[30] US (16/599,990) 2019-10-11
[30] US (16/600,029) 2019-10-11

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[54] **ROBOTIC KITTING MACHINE**
[54] **MACHINE DE MISE EN KIT ROBOTIQUE**
[72] MENON, SAMIR, US
[72] PRIEGO, IVAN ALBERTO TRUJILLO, US
[72] MORRIS-DOWNING, TALBOT, US
[72] SUN, ZHOUWEN, US
[72] CHAVEZ, KEVIN JOSE, US
[72] ARVAYO, ALBERTO LEYVA, US
[72] NADER, CYRIL, US
[72] FARHAT, FARSHID, US
[71] DEXTERITY, INC., US
[85] 2022-03-21
[86] 2020-10-13 (PCT/US2020/055425)
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[30] US (62/926,168) 2019-10-25
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[25] EN
[54] **TRANSFORM-BASED IMAGE CODING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE CODAGE D'IMAGE A BASE DE TRANSFORMEE**
[72] KOO, MOONMO, KR
[72] LIM, JAEHYUN, KR
[72] KIM, SEUNGHWAN, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-03-21
[86] 2020-09-21 (PCT/KR2020/012707)
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[30] US (62/903,823) 2019-09-21
[30] US (62/904,636) 2019-09-23

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[51] **Int.Cl. H02S 20/10 (2014.01) F24S 20/60 (2018.01) F24S 23/77 (2018.01) F24S 25/00 (2018.01)**
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[54] **SOLAR TOWER**
[54] **TOUR SOLAIRE**
[72] SHERBA, PETER, CA
[71] THREE SIXTY SOLAR LTD., CA
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[51] **Int.Cl. H04N 19/17 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **AN ENCODER, A DECODER AND CORRESPONDING METHODS OF COMPLEXITY REDUCTION ON INTRA PREDICTION FOR THE PLANAR MODE**
[54] **CODEUR, DECODEUR ET PROCEDES CORRESPONDANTS DE REDUCTION DE COMPLEXITE SUR LA PREDICTION INTRA POUR LE MODE PLANAIRE**
[72] WANG, BIAO, DE
[72] ESENLIK, SEMIH, DE
[72] KOTRA, ANAND MEHER, DE
[72] GAO, HAN, DE
[72] ALSHINA, ELENA ALEXANDROVNA, DE
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[30] EP (PCT/EP2019/075519) 2019-09-23

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[51] **Int.Cl. B01D 46/24 (2006.01) B01D 29/11 (2006.01) B01D 29/96 (2006.01) B01D 35/30 (2006.01)**
[25] EN
[54] **SEAL ARRANGEMENT FOR A FILTER, IN PARTICULAR A COMPRESSED AIR FILTER, AND FILTER ELEMENT FOR A FILTER**
[54] **AGENCEMENT DE JOINT D'ETANCHEITE POUR UN FILTRE, EN PARTICULIER UN FILTRE A AIR COMPRIME, ET ELEMENT FILTRANT POUR UN FILTRE**
[72] MAIER, NORBERT, DE
[72] HORSTMAN, MARTIN, DE
[72] SCHULZE, SVEN, DE
[71] SATA GMBH & CO. KG, DE
[85] 2022-03-22
[86] 2020-09-09 (PCT/EP2020/075188)
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[30] DE (20 2019 105 324.0) 2019-09-25

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[51] **Int.Cl. B01D 46/24 (2006.01) B01D 29/11 (2006.01) B01D 29/96 (2006.01) B01D 35/30 (2006.01)**
[25] EN
[54] **FILTER ELEMENT FOR USE IN A FILTER, AND FILTER COMPRISING A FILTER ELEMENT**
[54] **ELEMENT FILTRANT DESTINE A ETRE UTILISE DANS UN FILTRE ET FILTRE COMPRENANT UN ELEMENT FILTRANT**
[72] MAIER, NORBERT, DE
[72] HORSTMAN, MARTIN, DE
[72] SCHULZE, SVEN, DE
[71] SATA GMBH & CO. KG, DE
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[86] 2020-09-09 (PCT/EP2020/075203)
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[51] **Int.Cl. A61G 7/10 (2006.01)**
[25] EN
[54] **LOCKING ARRANGEMENT FOR PATIENT LIFT**
[54] **AGENCEMENT DE VERROUILLAGE POUR DISPOSITIF DE LEVAGE DE PATIENT**
[72] CUSTEAU BOISCLAIR, OLIVIER, CA
[72] MAAMRI, ILYES, CA
[72] BOSSE, JOEL, CA
[72] LUSSIER, MATHIEU, CA
[72] PATRY, JOCELYN, CA
[71] ARJO IP HOLDING AKTIEBOLAG, SE
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[51] **Int.Cl. E04B 5/48 (2006.01) H02G 3/18 (2006.01) E04B 5/32 (2006.01) E04B 7/20 (2006.01) E04C 2/04 (2006.01) E04C 2/52 (2006.01) E04C 5/07 (2006.01) H02G 3/38 (2006.01)**
[25] EN
[54] **RECEIVING STRUCTURE, TEXTILE-REINFORCED COMPONENT, AND METHOD FOR PRODUCING THE COMPONENT**
[54] **STRUCTURE RECEPTRICE, COMPOSANT RENFORCE PAR UN TEXTILE ET PROCEDE DE PRODUCTION DE COMPOSANT**
[72] GARIBALDI, MARIA PATRICIA, DE
[72] CURBACH, MANFRED, DE
[72] SCHLUTER, DOMINIK, DE
[72] VAKALIUK, IURII, DE
[71] GARIBALDI, MARIA PATRICIA, DE
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[86] 2020-09-21 (PCT/EP2020/076255)
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[30] EP (19198960.7) 2019-09-23

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[25] EN
[54] **PROBE AND METHOD FOR STR-GENOTYPING**
[54] **SONDE ET PROCEDE DE GENOTYPAGE STR**
[72] TYTGAT, OLIVIER, BE
[72] VAN NIEUWERBURGH, FILIP, BE
[72] DEFORCE, DIETER, BE
[72] CORNELIS, SENNE, BE
[71] UNIVERSITEIT GENT, BE
[85] 2022-03-22
[86] 2020-09-22 (PCT/EP2020/076410)
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[51] **Int.Cl. E21B 34/14 (2006.01) E21B 23/04 (2006.01)**
[25] EN
[54] **BALL SEAT RELEASE APPARATUS**
[54] **APPAREIL DE LIBERATION DE SIEGE DE BILLE**
[72] GHARESI, ABDOLREZA, US
[72] JACKSON, ALAN TANCEL, US
[72] NOFFKE, RICHARD PAUL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-03-21
[86] 2020-11-05 (PCT/US2020/059029)
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[30] US (62/930,810) 2019-11-05
[30] US (17/089,885) 2020-11-05

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[25] FR
[54] **METHOD FOR MANUFACTURING A PROTECTIVE GLOVE PROVIDED WITH A TEARABLE JOINT**
[54] **PROCEDE DE FABRICATION D'UN GANT DE PROTECTION POURVU D'UNE JONCTION DECHIRABLE**
[72] PRUVOST, INGRID, FR
[72] DEFFRENNE, HERVE, FR
[72] SAUNIER, CHRISTIANE, FR
[71] SPONTEX, FR
[85] 2022-03-22
[86] 2020-09-22 (PCT/EP2020/076440)
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[30] FR (FR1910544) 2019-09-24

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[51] **Int.Cl. A61K 51/08 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **RADIOLABELLED GRPR-ANTAGONIST FOR USE AS THERAGNOSTIC**
[54] **ANTAGONISTE GRPR RADIOMARQUE POUR L'UTILISATION COMME AGENT THERAGNOSTIQUE**
[72] MARIANI, MAURIZIO F., IT
[72] ORLANDI, FRANCESCA, IT
[72] WEGENER, ANTJE, CH
[72] CHICCO, DANIELA, IT
[71] NOVARTIS AG, CH
[85] 2022-03-22
[86] 2020-09-23 (PCT/EP2020/076542)
[87] (WO2021/058549)
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[54] **BISMUTH SULFIDE PARTICLES, METHOD FOR PRODUCING SAME, AND USE OF SAME**
[54] **PARTICULES DE SULFURE DE BISMUTH, LEUR METHODE DE PRODUCTION, ET LEUR UTILISATION**
[72] SANEFUJI, NORIHIKO, JP
[71] ISHIHARA SANGYO KAISHA, LTD., JP
[85] 2022-03-22
[86] 2020-09-30 (PCT/JP2020/037115)
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[30] JP (2019-186045) 2019-10-09

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[25] EN
[54] **ACRYLAMIDE COMPOUNDS**
[54] **COMPOSES D'ACRYLAMIDE**
[72] HAYASHI, HIDEKI, JP
[72] TAGA, RYOSUKE, JP
[72] SAKAMOTO, YUKI, JP
[72] KUWANO, NOZOMI, JP
[72] MINENO, KURUMI, JP
[72] OHDACHI, KAZUHIRO, JP
[72] FUJIMORI, YUSUKE, JP
[71] OTSUKA PHARMACEUTICAL CO., LTD., JP
[85] 2022-03-22
[86] 2020-12-08 (PCT/JP2020/045713)
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[25] EN
[54] **SYSTEMS AND PROCESSES FOR PREPARING BEVERAGES WITH ENHANCED ACTUATION OF OPERATION CYCLES**
[54] **SYSTEMES ET PROCEDES DE PREPARATION DE BOISSONS AVEC ACTIONNEMENT AMELIORE DE CYCLES DE FONCTIONNEMENT**
[72] NABEIRO, RUI MIGUEL, PT
[72] MEDINA MUNDT, JESUS, PT
[72] DE BRITO LEAO, JOAO ANDRE, PT
[72] GONCALVES MARTINS, MARCO FILIPE, PT
[72] DE FIGUEIREDO BRANCO, JOAO ANDRE, PT
[72] DA SILVA FERROLHO MENDES, TIAGO RAFAEL, PT
[72] ALEXANDRE CORREIA, FILIPE, PT
[71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES, LDA, PT
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[25] EN
[54] **SYSTEMS AND PROCESSES FOR PREPARING BEVERAGES WITH ENHANCED DETECTION OF ACTUATION STATES**
[54] **SYSTEMES ET PROCEDES DE PREPARATION DE BOISSONS AVEC DETECTION AMELIOREE D'ETATS D'ACTIONNEMENT**
[72] NABEIRO, RUI MIGUEL, PT
[72] MEDINA MUNDT, JESUS, PT
[72] DE BRITO LEAO, JOAO ANDRE, PT
[72] GONCALVES MARTINS, MARCO FILIPE, PT
[72] DE FIGUEIREDO BRANCO, JOAO ANDRE, PT
[72] DA SILVA FERROLHO MENDES, TIAGO RAFAEL, PT
[72] ALEXANDRE CORREIA, FILIPE, PT
[71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES, LDA, PT
[85] 2022-03-22
[86] 2020-10-28 (PCT/PT2020/050037)
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[25] EN
[54] **DRINKING RECIPIENTS WITH FLOW REGULATION MEANS OF MINIMAL CONSTRUCTION, SYSTEMS AND PROCESSES WITH SAID DRINKING RECIPIENTS**
[54] **RECIPIENTS POUR BOISSON AVEC MOYENS DE REGULATION D'ECOULEMENT A STRUCTURE MINIMALE, SYSTEMES ET PROCEDES FAISANT INTERVENIR LESDITS RECIPIENTS POUR BOISSON**
[72] NABEIRO, RUI MIGUEL, PT
[72] MEDINA MUNDT, JESUS, PT
[71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES, LDA, PT
[85] 2022-03-22
[86] 2020-10-28 (PCT/PT2020/050038)
[87] (WO2021/086216)
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[51] **Int.Cl. A61K 8/9789 (2017.01) A61K 8/19 (2006.01) A61K 8/21 (2006.01) A61K 8/24 (2006.01) A61K 8/27 (2006.01) A61K 8/35 (2006.01) A61K 8/44 (2006.01) A61K 36/185 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL CARE COMPOSITIONS COMPRISING HOPS BETA ACID AND FLUORIDE**
[54] **COMPOSITIONS DE SOIN BUCCODENTAIRE COMPRENANT DE L'ACIDE BETA DE HOUBLON ET DU FLUORURE**
[72] BAIG, ARIF ALI, US
[72] BAKER, TAMMY, US
[72] BIESBROCK, AARON REED, US
[72] ST. JOHN, SAMUEL JAMES, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2022-03-21
[86] 2020-09-30 (PCT/US2020/070597)
[87] (WO2021/067993)
[30] US (62/907,733) 2019-09-30
[30] US (62/907,735) 2019-09-30
[30] US (62/907,736) 2019-09-30
[30] US (62/972,109) 2020-02-10
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[51] **Int.Cl. A47J 31/46 (2006.01) A47G 19/22 (2006.01) B65D 1/06 (2006.01)**
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[54] **DRINKING RECIPIENTS WITH ENHANCED FLOW REGULATION MEANS, SYSTEMS AND PROCESSES WITH SAID DRINKING RECIPIENTS**
[54] **RECIPIENTS POUR BOISSON AVEC MOYENS DE REGULATION D'ECOULEMENT AMELIORES, SYSTEMES ET PROCEDES FAISANT INTERVENIR LESDITS RECIPIENTS POUR BOISSON**
[72] NABEIRO, RUI MIGUEL, PT
[72] MEDINA MUNDT, JESUS, PT
[71] NOVADELTA - COMERCIO E INDUSTRIA DE CAFES, LDA, PT
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[25] EN
[54] **ORAL CARE COMPOSITIONS COMPRISING HOPS BETA ACID AND METAL ION**
[54] **COMPOSITIONS DE SOINS BUCCO-DENTAIRES A BASE D'ACIDE BETA DE HOUBLON ET D'ION METALLIQUE**
[72] BAIG, ARIF ALI, US
[72] BIESBROCK, AARON REED, US
[72] ST. JOHN, SAMUEL JAMES, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2022-03-21
[86] 2020-09-30 (PCT/US2020/070599)
[87] (WO2021/067995)
[30] US (62/907,733) 2019-09-30
[30] US (62/907,735) 2019-09-30
[30] US (62/907,736) 2019-09-30
[30] US (62/943,940) 2019-12-05
[30] US (62/972,111) 2020-02-10
[30] US (62/972,109) 2020-02-10
[30] US (62/985,451) 2020-03-05
[30] US (62/994,893) 2020-03-26

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[51] **Int.Cl. G06F 21/32 (2013.01) G16H 10/60 (2018.01) G16H 20/40 (2018.01) A61M 5/14 (2006.01) G06K 9/00 (2022.01) A61B 5/1172 (2016.01)**
[25] EN
[54] **BIOMETRIC SECURITY FOR SECURE ACCESS TO A DIALYSIS MACHINE**
[54] **SECURITE BIOMETRIQUE POUR UN ACCES SECURISE A UNE MACHINE DE DIALYSE**
[72] MERICS, THOMAS, US
[72] WANGUS, FEI, US
[72] RODRIGUEZ, FRED, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2022-03-22
[86] 2020-09-11 (PCT/US2020/050365)
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[30] US (16/585,956) 2019-09-27

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[51] **Int.Cl. H04N 19/70 (2014.01) H04N 19/105 (2014.01) H04N 19/172 (2014.01) H04N 19/187 (2014.01) H04N 19/30 (2014.01)**
[25] EN
[54] **OLS FOR SPATIAL AND SNR SCALABILITY**
[54] **OLS POUR EXTENSIBILITE SPATIALE ET SNR**
[72] WANG, YE-KUI, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-03-22
[86] 2020-09-18 (PCT/US2020/051605)
[87] (WO2021/061530)
[30] US (62/905,128) 2019-09-24

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[51] **Int.Cl. E06C 1/383 (2006.01) E06C 1/18 (2006.01) E06C 1/32 (2006.01) E06C 1/393 (2006.01) E06C 7/06 (2006.01) F16C 11/10 (2006.01)**
[25] EN
[54] **STEP LADDER PIVOT AND LOCK MECHANISM**
[54] **PIVOT D'ECHELLE A MARCHES ET MECANISME DE VERROUILLAGE**
[72] BEHM, CARL WILLIAM, US
[72] LOVEDAY, BEN PHILLIP, US
[71] WERNER CO, US
[85] 2022-03-16
[86] 2020-09-18 (PCT/IB2020/058698)
[87] (WO2021/053590)
[30] AU (2019903477) 2019-09-18

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[51] **Int.Cl. G06Q 30/06 (2012.01) B60L 50/20 (2019.01) B62J 9/16 (2020.01) B62J 9/20 (2020.01) B62J 25/04 (2020.01) B62J 43/16 (2020.01) B62J 43/28 (2020.01) B62J 1/08 (2006.01) B62K 11/10 (2006.01) B62K 19/38 (2006.01) B62K 19/40 (2006.01) B62L 1/02 (2006.01) B62M 7/12 (2006.01) G07F 17/00 (2006.01) B62K 3/00 (2006.01)**
[25] EN
[54] **MICROMOBILITY ELECTRIC VEHICLE ERGONOMICS**
[54] **ERGONOMIE DE VEHICULE ELECTRIQUE A MICROMOBILITE**
[72] VAN HOUTEN, LUCAS JON, US
[72] MURPHY, CONRAD XAVIER, US
[72] DELSAER, NATHALIE, US
[72] HOLVECK, MARK PHILLIP, US
[72] VANDENBUSSCHE, GREGOIRE LUDOVIC VINCENT, US
[72] REIMER, ANDREW MICHAEL, US
[72] GOLDSTEIN, DANIEL LAMI, US
[72] LUEDTKE, PETER REX, US
[71] LYFT, INC., US
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[30] US (16/579,556) 2019-09-23
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[51] **Int.Cl. A47J 31/52 (2006.01) A47J 31/44 (2006.01)**
[25] EN
[54] **BEVERAGE FORMING SYSTEM WITH REMOTE USER INTERFACE**
[54] **SYSTEME DE FORMATION DE BOISSON DOTE D'UNE INTERFACE D'UTILISATEUR A DISTANCE**
[72] HADDEN, JEFFREY SOL, US
[72] KAPOOR, SUJATHA, US
[72] HADLEY, PHILIP ROSS, US
[71] KEURIG GREEN MOUNTAIN, INC., US
[85] 2022-03-22
[86] 2020-09-21 (PCT/US2020/051736)
[87] (WO2021/061544)
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[51] **Int.Cl. H04N 19/80 (2014.01) H04N 19/117 (2014.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR FILTERING IN VIDEO CODING**
[54] **APPAREIL ET PROCEDE DE FILTRAGE DANS UN CODAGE VIDEO**
[72] IKONIN, SERGEY YURIEVICH, CN
[72] STEPIN, VICTOR ALEXEEVICH, CN
[72] KARABUTOV, ALEXANDER ALEXANDROVICH, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-12-17
[86] 2020-06-18 (PCT/RU2020/050127)
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[51] **Int.Cl. G01N 29/265 (2006.01)**
[25] EN
[54] **ULTRASOUND SCANNER APPARATUS**
[54] **APPAREIL DE SCANNER PAR ULTRASONS**
[72] JONES, CHRISTOPHER THOMAS, US
[71] QUEST INTEGRITY GROUP, LLC, US
[85] 2022-03-22
[86] 2020-09-22 (PCT/US2020/051985)
[87] (WO2021/061637)
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[51] **Int.Cl. A47J 31/44 (2006.01)**
[25] EN
[54] **POD STABILIZER FOR BEVERAGE MACHINE**
[54] **STABILISATEUR DE DOSETTE POUR MACHINE A PREPARER DES BOISSONS**
[72] IOANNIDIS, NICHOLAS GEORGE, US
[72] CASSANO, ROBERT DANA, US
[72] STILLERMAN, KEVIN SCOTT, US
[71] KEURIG GREEN MOUNTAIN, INC., US
[85] 2022-03-22
[86] 2020-09-22 (PCT/US2020/051987)
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[30] US (62/905,467) 2019-09-25

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[51] **Int.Cl. A61L 2/10 (2006.01) A61L 2/18 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **REUSABLE URINARY CATHETER PRODUCTS**
[54] **PRODUITS DE CATHETER URINAIRE REUTILISABLES**
[72] MURRAY, MICHAEL G., US
[72] DODD, IAN, US
[72] MONTES DE OCA BALDERAS, HORACIO, US
[72] CULLUM, MALFORD E., US
[72] KUMAR, VARUN, US
[71] HOLLISTER INCORPORATED, US
[85] 2022-03-22
[86] 2020-09-22 (PCT/US2020/052027)
[87] (WO2021/061661)
[30] US (62/905,044) 2019-09-24

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[51] **Int.Cl. A61L 29/08 (2006.01) A61L 29/12 (2006.01) A61L 29/14 (2006.01) A61L 29/16 (2006.01)**
[25] EN
[54] **REUSABLE URINARY CATHETER PRODUCTS**
[54] **PRODUITS DE CATHETER URINAIRE REUTILISABLES**
[72] FARRELL, DAVID J., US
[72] O'FLYNN, PADRAIG M., US
[72] CLARKE, JOHN T., US
[71] HOLLISTER INCORPORATED, US
[85] 2022-03-22
[86] 2020-09-22 (PCT/US2020/052051)
[87] (WO2021/061674)
[30] US (62/905,056) 2019-09-24

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[51] **Int.Cl. C09D 11/17 (2014.01) C09D 11/32 (2014.01) C09D 11/50 (2014.01)**
[25] EN
[54] **REVERSE PHOTOCHROMIC INKS, AND ASSOCIATED METHODS AND WRITING INSTRUMENTS**
[54] **ENCRES PHOTOCHROMIQUES INVERSES, PROCEDES ET INSTRUMENTS D'ECRITURE ASSOCIES**
[72] CZAPLEWSKI, KENNETH, US
[71] SANFORD L.P., US
[85] 2022-03-22
[86] 2020-09-23 (PCT/US2020/052196)
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Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

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[51] **Int.Cl. G01M 7/02 (2006.01) G01M 13/02 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COLLECTING OPERATIONAL VIBRATION DATA FOR A MINING MACHINE**
[54]
[72] WHITE, BRIAN N., US
[71] JOY GLOBAL SURFACE MINING INC, US
[22] 2016-06-24
[41] 2017-12-28
[62] 3,028,620

[21] **3,153,641**
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[25] EN
[54] **CELL-BASED PRODUCTION OF NONULOSONATES**
[54] **PRODUCTION BASEE SUR DES CELLULES DE NONULOSONATES**
[72] BODDY, CHRISTOPHER N., CA
[72] LUNDGREN, BENJAMIN R., US
[72] SCHOENHOFEN, IAN C., CA
[72] LOGAN, SUSAN M., CA
[72] WHITFIELD, DENNIS M., CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[71] UNIVERSITY OF OTTAWA, CA
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[62] 2,796,284
[30] US (61/326,015) 2010-04-20

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[51] **Int.Cl. A01D 17/10 (2006.01) A01D 33/08 (2006.01)**
[25] EN
[54] **ROOT CROP HARVESTER**
[54] **MACHINE DE RECOLTE DE PLANTES SARCLEES**
[72] NIEHUES, CHRISTOPH, DE
[72] POHLKING, ALFONS, DE
[71] GRIMME LANDMASCHINENFABRIK GMBH & CO. KG, DE
[22] 2017-10-13
[41] 2018-04-19
[62] 3,040,567
[30] DE (10 2016 012 245.5) 2016-10-14

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[51] **Int.Cl. B01J 2/04 (2006.01)**
[25] EN
[54] **ULTRAHIGH EFFICIENCY SPRAY DRYING APPARATUS AND PROCESS**
[54] **APPAREIL ET PROCEDE DE SECHAGE PAR PULVERISATION A TRES HAUT RENDEMENT**
[72] BEETZ, CHARLES PERSHING, US
[72] BEETZ, JASON ANDREW, US
[71] ZOOMESSENCE, INC., US
[22] 2018-08-04
[41] 2019-02-07
[62] 3,071,115
[30] US (15/668,832) 2017-08-04
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