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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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Commissioner of Patents

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Commissaire aux brevets

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After February 19, 2019

1. Transmittal Fee (Rule 14)	**$300**
2. International Filing Fee	**$1730***
For each additional sheet over 30	**$20**
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 19 février 2019

1. Taxe de transmission (Règle 14)	**300 $**
2. Taxe de dépôt internationale	**1730 $***
Pour chaque feuille au delà de 30	**20 $**
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*))	**$260**
6. Preliminary examination fee (Rule 58)	**$800**

* International fees will be reduced by:

- **$260** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$390** 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*))	**260 $**
6. Taxe d'examen préliminaire (Règle 58)	**800 $**

* Les frais seront réduits de:

- **260 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **390 $** 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

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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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of May 26, 2020 contains applications open to public inspection from May 10, 2020 to May 16, 2020.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 26 mai 2020 contient les demandes disponibles au public pour consultation pour la période du 10 mai 2020 au 16 mai 2020.

Canadian Patents Issued

May 26, 2020

Brevets canadiens délivrés

26 mai 2020

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[54] **STRUCTURES DE PROTEINE DE SOIE D'ARAIGNEE DESTINEES A LA CULTURE DE CELLULE EUCARYOTE**
[72] JOHANSSON, JAN, SE
[72] RISING, ANNA, SE
[72] HEDHAMMAR, MY, SE
[72] JOHANSSON, ULRIKA, SE
[72] WIDHE, MONA, SE
[73] SPIBER TECHNOLOGIES AB,
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[54] **PROCEDE DE TRAITEMENT D'UN FLUX GAZEUX**
[72] KEISER, BRUCE A., US
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[72] MIMNA, RICHARD, US
[73] NALCO COMPANY,
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[54] **MATERIAU D'ELECTRODE NEGATIVE POUR BATTERIES AU LITHIUM-ION**
[72] SHINYA, NAOFUMI, JP
[72] MINOWA, TAKEHISA, JP
[73] SHIN-ETSU CHEMICAL CO., LTD.,
[86] (2795792)
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[54] **COMPOSITIONS POUR RELIER DES MODULES EN DOIGT DE ZINC**
[72] PASCHON, DAVID, US
[72] REBAR, EDWARD J., US
[73] SANGAMO THERAPEUTICS, INC.,
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[72] HALL, CRAIG, CA
[72] TEBAY, DEREK, CA
[73] BRIGHTLING EQUIPMENT LTD.,
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[54] **IMPROVEMENTS IN DRUG DELIVERY INHALER DEVICES**
[54] **AMELIORATIONS D'INHALATEURS D'ADMINISTRATION DE MEDICAMENT**
[72] BRUIN, RONALD, GB
[72] SPENCER, DAVID, GB
[72] SANDERS, MARK, GB
[73] CLEMENT CLARKE INTERNATIONAL LTD.,
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[54] **METHOD FOR REPAIRING A LAMINATED ARTICLE HAVING A DAMAGED AREA**
[54] **PROCEDE POUR REPARER UN OBJET STRATIFIE ENDOMMAGE**
[72] BLACKBURN, MICHELLE ANN, US
[72] DEAK, STEPHEN MICHAEL, US
[73] GENERAL ELECTRIC COMPANY,
[86] (2802639)
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[54] **GENERATOR COMPRESSOR COMBINATION POWER SYSTEM**
[54] **SYSTEME D'ALIMENTATION COMBINANT UN GENERATEUR ET UN COMPRESSEUR**
[72] KENNEDY, GINO, US
[73] KENNEDY, GINO,
[86] (2810014)
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[54] **APPARATUS FOR AIRCRAFT DUAL CHANNEL DISPLAY**
[54] **APPAREIL POUR AFFICHAGE DOUBLE CANAUX D'AERONEF**
[72] BUSHELL, MARK ANTHONY, GB
[72] EDDY, BRETT ALLEN, GB
[73] GE AVIATION SYSTEMS LIMITED,
[86] (2811852)
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[54] **METHOD OF PRODUCING AN INTERNAL CAVITY IN A CERAMIC MATRIX COMPOSITE**
[54] **METHODE DE PRODUCTION D'UNE CAVITE INTERNE DANS UN COMPOSITE A MATRICE CERAMIQUE**
[72] GRAY, PAUL EDWARD, US
[72] ROBERTS, HERBERT CHIDSEY, III, US
[72] TAXACHER, GLENN CURTIS, US
[72] WALKER, SHEENA KUM FOSTER, US
[73] GENERAL ELECTRIC COMPANY,
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[54] **DISPOSITIF DE RETENUE D'ENCLUME A RESSORT**
[72] PRIOR, SCOTT J., US
[73] COVIDIEN LP,
[86] (2815630)
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[54] **APPARATUS FOR ENDOSCOPIC PROCEDURES**
[54] **APPAREIL POUR PROCEDURES ENDOSCOPIQUES**
[72] WILLIAMS, JUSTIN, US
[73] COVIDIEN LP,
[86] (2815660)
[87] (2815660)
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[25] EN
[54] **NOVEL FORMULATIONS OF WATER-INSOLUBLE CHEMICAL COMPOUNDS AND METHODS OF USING A FORMULATION OF COMPOUND FL118 FOR CANCER THERAPY**
[54] **NOUVELLES FORMULATIONS DE COMPOSES CHIMIQUES HYDRO-INSOLUBLES ET PROCEDES D'UTILISATION D'UNE FORMULATION DE COMPOSE FL118 POUR THERAPIE CANCEREUSE**
[72] LI, FENGZHI, US
[72] LING, XIANG, US
[72] CAO, SHOUSONG, US
[73] HEALTH RESEARCH, INC.,
[85] 2013-04-29
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[54] **AUTORISATION SECURISEE PHYSIQUEMENT DESTINEE A DES APPLICATIONS DE SERVICE DE DISTRIBUTION**
[72] VASWANI, RAJ, US
[72] YEUNG, WILSON CHUEN YEW, US
[72] SEIBERT, CRISTINA, US
[72] BOLYARD, NELSON BRUCE, US
[72] DAMM, BENJAMIN N., US
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[73] ITRON NETWORKED SOLUTIONS, INC.,
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[54] **PROCEDES ET SYSTEMES POUR COMMANDE DE CONTENU**
[72] GILSON, ROSS, US
[73] COMCAST CABLE COMMUNICATIONS, LLC,
[86] (2832179)
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[54] **IN-LINE BACK PRESSURE FLUID REGULATOR**
[54] **REGULATEUR DE FLUIDE DE CONTRE-PRESSION ALIGNE**
[72] OLBRISCH, MORITZ, KLAUS, DE
[72] NIEBEL, RUEDIGER, DE
[72] RAPSCH, FALK, DE
[73] TESCOM CORPORATION,
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[54] **MEDICAL FLUID TEMPERATURE SENSOR AND RELATED METHOD AND FLUID PUMPING SYSTEM**
[54] **CAPTEUR DE TEMPERATURE DE FLUIDE MEDICAL ET METHODE ASSOCIEE ET SYSTEME DE POMPAGE DE FLUIDE**
[72] LEVIN, ROLAND, US
[72] CRNKOVICH, MARTIN JOSEPH, US
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC.,
[85] 2013-10-23
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[54] **METHOD FOR DETERMINING AN AMOUNT TO BE APPLIED AND DEVICE FOR CARRYING OUT THE METHOD**
[54] **PROCEDE DE DEFINITION D'UNE QUANTITE A APPLIQUER ET DISPOSITIF PERMETTANT LA MISE EN □UVRE DU PROCEDE**
[72] LIMBRUNNER, BERNHARD, DE
[73] GEORG FRITZMEIER GMBH & CO.KG,
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[54] **DERMAL FILLER COMPOSITIONS INCLUDING ANTIOXIDANTS**
[54] **COMPOSITIONS DE REMPLISSAGE DERMIQUE COMPRENANT DES ANTIOXYDANTS**
[72] LIU, FUTIAN, US
[72] MANESIS, NICHOLAS J., US
[72] YU, XIAOJIE, US
[72] CHAN, ATHENE WAN CHIE, US
[73] ALLERGAN INDUSTRIE, SAS,
[85] 2013-12-03
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[54] **UTILISATION D'AMINOCARBOXYLATES DANS LE DOMAINE AGRICOLE**
[72] HUFFER, STEPHAN, DE
[72] GARCIA MARCOS, ALEJANDRA, DE
[72] STAFFEL, WOLFGANG, DE
[72] LANG, FRANK-PETER, DE
[72] WISSEMEIER, ALEXANDER, DE
[73] BASF SE,
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[54] **METHODE DE DIAGNOSTIC DE LA SLA**
[72] GREENWAY, MATT, IE
[72] HARDIMAN, ORLA, IE
[73] ROYAL COLLEGE OF SURGEONS IN IRELAND,
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[54] **COMPOSITIONS BIOCIDES RENFERMANT DES HERBICIDES, DES AMIDES D'ACIDE GRASET DES ACIDES GRAS**
[72] BARKER, PHYLLIS, US
[72] HAILU, ALEFESH, US
[73] COGNIS IP MANAGEMENT GMBH,
[85] 2013-12-06
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[54] **DEVICE FOR PREPARING A BEVERAGE**
[54] **DISPOSITIF DE PREPARATION D'UNE BOISSON**
[72] MARCHI, MARCO, NL
[72] LENZI, CESARE, NL
[73] KONINKLIJKE PHILIPS N.V.,
[73] KONINKLIJKE DOUWE EGBERTS B.V.,
[85] 2014-01-03
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[54] **FERMENTATION OF GLYCEROL TO SUCCINIC ACID BY RECOMBINANT E. COLI**
[54] **FERMENTATION DE GLYCEROL EN ACIDE SUCCINIQUE PAR E. COLI RECOMBINANT**
[72] YOCUM, R. ROGERS, US
[72] HERMANN, THERON, US
[72] YU, XIAOHUI, US
[73] PTT GLOBAL CHEMICAL PUBLIC COMPANY LIMITED,
[85] 2014-01-10
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[54] **MULTI-POINT LOCK HAVING SEQUENTIALLY-ACTUATED LOCKING ELEMENTS**
[54] **SERRURE MULTIPOINT AYANT DES ELEMENTS DE VERROUILLAGE ACTIONNES EN SEQUENCE**
[72] TAGTOW, GARY E., US
[72] LAMMERS, TRACY, US
[72] RICKENBAUGH, ALLEN, US
[72] ADAMSON, ERIC J., US
[72] HEMMINGSEN, AUSTIN, US
[72] RAAP, DAN, US
[73] AMESBURY GROUP, INC.,
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[54] **SYSTEME DE VIS SOUS PRESSION EMPLOYANT DES SAS D'AIR POUR L'ELIMINATION DE DECHETS**
[72] MCKEE, RANDALL G., US
[72] MERVIS, PHILLIP, US
[72] ROSS, BRANDON, US
[73] BIOSAFE ENGINEERING, LLC,
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[54] **PROCEDE DE FABRICATION D'UNE BROSSE A DENTS ET BROSSE A DENTS**
[72] KIRCHHOFER, ROGER, CH
[72] SCHAR, MICHAEL, CH
[72] ZWIMPFER, MARTIN, CH
[72] ZURFLUH, PETER, CH
[73] TRISA HOLDING AG,
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[54] **COMPOSITION A LIBERATION PROLONGEE DE PROSTACYCLINE**
[72] SPROGOE, KENNETT, US
[72] RAU, HARALD, DE
[72] HERSEL, ULRICH, DE
[72] WEGGE, THOMAS, DE
[72] KEIL, OLIVER, DE
[72] ZETTLER, JOACHIM, DE
[73] ASCENDIS PHARMA A/S,
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[54] **ACCESSOIRE AGRICOLE A AILE**
[72] REDEKOP, JOHAN, CA
[73] REDEKOP, JOHAN,
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[72] MAGLEY, ROBERT E., II, US
[73] SOLV LOGISTICS, LLC,
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[54] **SYSTEM AND METHOD FOR DETECTING PHASE LOSS AND DIAGNOSING DC LINK CAPACITOR HEALTH IN AN ADJUSTABLE SPEED DRIVE**
[54] **SYSTEME ET PROCEDE POUR DETECTER UNE PERTE DE PHASE ET DIAGNOSTIQUER LA SANTE D'UN CONDENSATEUR DE LIAISON CC DANS UN VARIATEUR DE VITESSE**
[72] LI, HUAQIANG, US
[73] EATON INTELLIGENT POWER LIMITED,
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[54] **COLLECTEUR DE DISTRIBUTION A MULTIPLES ORIFICES**
[72] MESSNER, WILLIAM, US
[73] MESSNER, WILLIAM,
[85] 2014-04-29
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[54] **MAESA JAPONICA EXTRACTS AND METHODS OF USE**
[54] **EXTRAITS DE MAESA JAPONICA ET PROCEDES D'UTILISATION**
[72] CHEN, SIMING W., US
[72] ZHENG, QIAN, US
[72] LYGA, JOHN W., US
[72] SANTHANAM, UMA, US
[72] WYBORSKI, RUSSELL, US
[72] THORN LEESON, DANIEL, US
[72] KHUSIAL, PERMANAN RAAJ, US
[73] AVON PRODUCTS, INC.,
[85] 2014-05-07
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[54] **POLYMER PROTEIN MICROPARTICLES**
[54] **MICROPARTICULES DE PROTEINE ET DE POLYMERE**
[72] CHEN, HUNTER, US
[72] WALSH, SCOTT, US
[73] REGENERON PHARMACEUTICALS, INC.,
[85] 2014-05-12
[86] 2012-11-18 (PCT/US2012/065735)
[87] (WO2013/075068)
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[54] **GROUPED SEARCH QUERY REFINEMENTS**
[54] **AFFINAGES DE DEMANDES DE RECHERCHE GROUPEES**
[72] LEE, MICHELLE I., US
[72] HENG, KEEKIM J., CH
[72] RIEGELSBERGER, JENS, GB
[72] LIN, JOCELYN, US
[73] GOOGLE LLC,
[85] 2014-05-20
[86] 2012-11-13 (PCT/US2012/064763)
[87] (WO2013/078034)
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[25] EN
[54] **TRAFFIC MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE LA CIRCULATION**
[72] WALTHER, JONATHAN Y., US
[72] HOLLENBACK, JEFFERY M., US
[73] SUPERIOR TRAFFIC SYSTEMS, LLC,
[86] (2856842)
[87] (2856842)
[22] 2014-07-11
[30] US (13/945,999) 2013-07-19

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[25] EN
[54] **HANDLE INSERT FOR VALVE**
[54] **POIGNEE A INSERT POUR ROBINET**
[72] GUTMANN, PAUL M., US
[72] HOOTS, JOSHUA LEE, US
[72] MOREN, GARY A., US
[72] STONE, JON TERENCE, US
[73] HAYWARD INDUSTRIES, INC.,
[86] (2857746)
[87] (2857746)
[22] 2014-07-24
[30] US (13/954,130) 2013-07-30
[30] US (14/020,719) 2013-09-06

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[25] EN
[54] **MUD FLAP ASSEMBLIES**
[54] **ENSEMBLES PARE-BOUE**
[72] SCHMEICHEL, CHARLES M., US
[72] ALTHOFF, CHRISTOPHER D., US
[72] WOCK, SHAWN J., US
[73] AGRI-COVER, INC.,
[86] (2858584)
[87] (2858584)
[22] 2014-08-07
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[13] C
[51] **Int.Cl. A61N 1/36 (2006.01)**
[25] EN
[54] **APPARATUS FOR REHABILITATING A MUSCLE AND ASSESSING PROGRESS OF REHABILITATION**
[54] **APPAREIL UTILISABLE EN VUE DE LA REEDUCATION D'UN MUSCLE ET DE L'EVALUATION DES PROGRES APPORTES PAR LA REEDUCATION**
[72] CROSBY, PETER ANDREW, US
[72] RAWAT, PRASHANT BRIJMOHANSINGH, US
[73] MAINSTAY MEDICAL LIMITED,
[85] 2014-06-10
[86] 2012-12-18 (PCT/US2012/070259)
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[30] US (61/577,448) 2011-12-19

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[25] EN
[54] **TOOTH WHITENING STRIP PROVIDING PERHYDROLASE-CATALYZED PERACID FORMATION**
[54] **BANDE DE BLANCHIMENT DES DENTS FOURNISSANT UNE FORMATION PERACIDE CATALYSEE PAR PERHYDROLYASE**
[72] BOYD, THOMAS J., US
[72] XU, GUOFENG, US
[72] ADAMS, RICHARD, US
[72] PIERCE, ROBERT, US
[72] MILLER, STEVEN, US
[72] VISCIO, DAVID, US
[72] FOSSER, KARI A., US
[72] DICOSIMO, ROBERT, US
[72] WANG, HONG, US
[73] COLGATE-PALMOLIVE COMPANY,
[73] E.I. DU PONT DE NEMOURS AND COMPANY,
[85] 2014-06-16
[86] 2012-12-18 (PCT/US2012/070371)
[87] (WO2013/096321)
[30] US (61/577,499) 2011-12-19

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[13] C
[51] **Int.Cl. G01N 27/414 (2006.01) G01N 33/49 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR RAPID DETECTION OF INFECTIOUS MICROORGANISMS**
[54] **PROCEDES ET APPAREIL POUR LA DETECTION RAPIDE DE MICROORGANISMES INFECTIEUX**
[72] SHI, SONG, US
[72] NADEAU, JAMES G., US
[72] BRASCH, MICHAEL A., US
[73] BECTON, DICKINSON AND COMPANY,
[85] 2014-06-19
[86] 2012-12-19 (PCT/US2012/070538)
[87] (WO2013/096404)
[30] US (61/579,365) 2011-12-22

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[51] **Int.Cl. B64D 15/20 (2006.01) G01B 7/06 (2006.01) G08B 19/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD OF MONITORING FOR MATTER ACCUMULATION ON AN AIRCRAFT SURFACE**
[54] **APPAREIL ET PROCEDE DE SURVEILLANCE DE L'ACCUMULATION DE MATIERE SUR UNE SURFACE D'AERONEF**
[72] INKPEN, STUART, CA
[72] NOLAN, CHRIS, CA
[72] CONWAY, BILL, CA
[72] LINFIELD, DANA, CA
[72] BONNELL, DAVID, CA
[72] SWAMIDAS, JOSHUA, CA
[72] ABRAHAM, RUTH, CA
[73] INSTRUMAR LIMITED,
[85] 2014-07-04
[86] 2013-01-07 (PCT/CA2013/000003)
[87] (WO2013/102266)
[30] US (61/583,838) 2012-01-06

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[13] C
[51] **Int.Cl. F16K 41/10 (2006.01)**
[25] EN
[54] **ANTI-ROTATION ASSEMBLIES FOR USE WITH FLUID VALVES**
[54] **ENSEMBLES ANTI-ROTATION POUR UTILISATION AVEC DES VANNES DE FLUIDE**
[72] COLLISON, RANDALL S., US
[72] ENGLE, CHAD MICHAEL, US
[72] HODNY, CHRISTINE RAE, US
[73] FISHER CONTROLS INTERNATIONAL LLC,
[85] 2014-07-10
[86] 2013-01-25 (PCT/US2013/023063)
[87] (WO2013/116089)
[30] US (13/362,750) 2012-01-31

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[13] C
[51] **Int.Cl. E02D 5/22 (2006.01) E02D 5/40 (2006.01) E02D 5/54 (2006.01)**
[25] EN
[54] **DEVICE FOR A PILE, WHICH CAN BE ANCHORED IN THE BOTTOM OF A LAKE OR THE SEA AND/OR THE GROUND**
[54] **DISPOSITIF DESTINE A UN PIEU, QUI PEUT ETRE ANCRE AU FOND D'UN LAC OU DE LA MER ET/OU DANS LE SOL**
[72] KAHLMAN, STURE, SE
[73] KAHLMAN, STURE,
[85] 2014-07-11
[86] 2013-01-21 (PCT/SE2013/050033)
[87] (WO2013/109186)
[30] SE (1250028-6) 2012-01-19

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[13] C
[51] **Int.Cl. A61K 9/28 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **RAPIDLY DISINTEGRATING COATED TABLETS**
[54] **DESINTEGRATION RAPIDE DE COMPRIMES ENROBES**
[72] WALDMAN, JOEL H., US
[72] FRANZOI, FERNANDA, BR
[72] BEAN, ANTHONY S., US
[73] MCNEIL-PPC, INC.,
[85] 2014-07-28
[86] 2013-02-01 (PCT/US2013/024384)
[87] (WO2013/119466)
[30] US (61/595,767) 2012-02-07

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[13] C
[51] **Int.Cl. E04B 7/16 (2006.01) E04F 10/08 (2006.01) E04F 10/10 (2006.01)**
[25] FR
[54] **COVERING DEVICE HAVING SLIDING COVER ELEMENTS**
[54] **DISPOSITIF DE COUVERTURE A ELEMENTS DE COUVERTURE COULISSANTS**
[72] CASTEL, JEAN-LOUIS, FR
[73] CASTEL, JEAN-LOUIS,
[85] 2014-08-05
[86] 2013-02-22 (PCT/FR2013/050365)
[87] (WO2013/124594)
[30] FR (1251707) 2012-02-24

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[25] EN
[54] **THERAPEUTIC APPROACHES FOR TREATING PARKINSON'S DISEASE**
[54] **APPROCHES THERAPEUTIQUES POUR TRAITER LA MALADIE DE PARKINSON**
[72] COHEN, DANIEL, FR
[72] NABIROCHKIN, SERGUEI, FR
[72] CHUMAKOV, ILYA, FR
[72] HAJJ, RODOLPHE, FR
[73] PHARNEXT,
[85] 2014-08-07
[86] 2013-02-28 (PCT/EP2013/054026)
[87] (WO2013/127918)
[30] EP (PCT/EP2012/053565) 2012-03-01
[30] EP (PCT/EP2012/053568) 2012-03-01
[30] EP (PCT/EP2012/053570) 2012-03-01
[30] EP (12306063.4) 2012-09-05
[30] US (61/696,992) 2012-09-05

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[13] C
[51] **Int.Cl. A47J 31/00 (2006.01)**
[25] EN
[54] **A NUTRACEUTICAL COMPOUNDING SYSTEM AND METHOD THEREFORE**
[54] **SYSTEME D'ELABORATION D'ALICAMENT ET PROCEDE ASSOCIE**
[72] OCHOA, GIAN-CARLO, US
[72] DUFFY, BRENDAN, US
[72] TAYLOR, JON, US
[72] VAN DEURSEN, GARY, US
[73] GUDPOD CORP.,
[85] 2014-08-27
[86] 2013-02-27 (PCT/US2013/027982)
[87] (WO2013/130576)
[30] US (61/604,410) 2012-02-28
[30] US (61/666,835) 2012-06-30

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[25] EN
[54] **MOTION VECTOR CODING AND BI-PREDICTION IN HEVC AND ITS EXTENSIONS**
[54] **CODAGE DE VECTEUR DE MOUVEMENT ET PREDICTION BIDIRECTIONNELLE EN HEVC ET SES EXTENSIONS**
[72] CHEN, YING, US
[72] WANG, YE-KUI, US
[72] ZHANG, LI, US
[73] QUALCOMM INCORPORATED,
[85] 2014-08-27
[86] 2013-03-14 (PCT/US2013/031536)
[87] (WO2013/138631)
[30] US (61/611,959) 2012-03-16
[30] US (61/624,990) 2012-04-16
[30] US (61/658,344) 2012-06-11
[30] US (61/663,484) 2012-06-22
[30] US (13/801,350) 2013-03-13

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[25] EN
[54] **SYSTEM AND METHOD FOR A LOYALTY NETWORK**
[54] **SYSTEME ET METHODE DESTINES A UN RESEAU DE FIDELISATION**
[72] SIMONS, DAVE, CA
[72] LOCKHARD, PETER, CA
[72] BARNARD, CHRIS, CA
[72] DOULAS, PETER, CA
[72] SHAPIRO, DANIEL, CA
[72] KENT, GEOFF, CA
[73] POINTS.COM INC.,
[86] (2865860)
[87] (2865860)
[22] 2014-09-30

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[13] C
[51] **Int.Cl. E21B 17/10 (2006.01)**
[25] EN
[54] **WELL CENTRALIZER**
[54] **CENTRALISATEUR DE PUITS**
[72] JORDAN, J. CHRISTOPHER, US
[72] MARTENS, JAMES G., US
[72] ARCEMENT, JEFFREY J., US
[72] MONDELLI, JUAN CARLOS, US
[72] HEBERT, JOHN E., US
[72] SCOTT, SCOTTIE J., US
[72] DUPRE, THOMAS A., US
[73] BLACKHAWK SPECIALTY TOOLS, LLC,
[85] 2014-09-10
[86] 2013-03-20 (PCT/US2013/033104)
[87] (WO2013/142576)
[30] US (61/613,183) 2012-03-20
[30] US (61/710,344) 2012-10-05
[30] US (61/726,615) 2012-11-15

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[25] EN
[54] **TRIGGER ASSEMBLY**
[54] **ENSEMBLE DETENTE**
[72] LIPOWSKI, MATS, CA
[73] 2360216 ONTARIO INC.,
[85] 2014-09-18
[86] 2013-03-25 (PCT/CA2013/000282)
[87] (WO2013/138918)
[30] US (61/614,784) 2012-03-23

[11] **2,867,916**
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[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6853 (2018.01) C12Q 1/686 (2018.01) C12Q 1/6818 (2018.01)**
[25] EN
[54] **POLYMERASE CHAIN REACTION DETECTION SYSTEM USING OLIGONUCLEOTIDES COMPRISING A PHOSPHOROTHIOATE GROUP**
[54] **SYSTEME DE DETECTION DE REACTION EN CHAINE DE LA POLYMERASE UTILISANT DES OLIGONUCLEOTIDES COMPRENANT UN GROUPE PHOSPHOROTHIOATE**
[72] ROBINSON, PHILIP STEVEN, GB
[72] HOLME, JOHN, GB
[72] JAIN, NISHA, GB
[73] LGC GENOMICS LIMITED,
[85] 2014-09-19
[86] 2012-03-22 (PCT/GB2012/050645)
[87] (WO2013/140107)

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[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/12 (2006.01)**
[25] EN
[54] **HEAD ASSEMBLY FOR BREWING APPARATUS**
[54] **MECANISME DE COLONNE POUR APPAREIL DE BRASSAGE**
[72] HALE, ROBERT, CA
[73] HALE, ROBERT,
[86] (2868198)
[87] (2868198)
[22] 2014-10-23
[30] US (14/514342) 2014-10-14

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[51] **Int.Cl. F02C 7/36 (2006.01) F16H 57/08 (2006.01)**
[25] EN
[54] **GEARBOX AND TURBINE ENGINE WITH GEARED FAN**
[54] **BOITE A ENGRENAGES ET MOTEUR DE TURBINE AYANT UN VENTILATEUR A ENGRENAGES**
[72] VAN DER MERWE, GERT, US
[72] HALLMAN, DARREN, US
[72] BUYUKISIK, OSMAN, US
[72] BRADLEY, DONALD, US
[72] ANTELO, RANDY, US
[73] GENERAL ELECTRIC COMPANY,
[85] 2014-09-25
[86] 2013-04-11 (PCT/US2013/036105)
[87] (WO2013/155260)
[30] US (61/622,592) 2012-04-11
[30] US (61/666,532) 2012-06-29
[30] US (13/835,687) 2013-03-15

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[13] C
[51] **Int.Cl. F28F 13/00 (2006.01) B01J 19/00 (2006.01)**
[25] EN
[54] **EXPANDING CENTERS FOR STACKABLE STRUCTURAL REACTORS**
[54] **CENTRES EXPANSIBLES POUR REACTEURS STRUCTURELS EMPILABLES**
[72] WHITTENBERGER, WILLIAM A., US
[72] WHITTENBERGER, JOSEPH W., US
[72] DAVIS, BRAIN L., US
[72] RUNDO, JAMES A., US
[73] JOHNSON MATTHEY PUBLIC LIMITED COMPANY,
[85] 2014-09-26
[86] 2013-03-29 (PCT/US2013/034590)
[87] (WO2013/151889)
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[13] C
[51] **Int.Cl. A61K 31/496 (2006.01) A61K 45/00 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **USE OF LURASIDONE FOR TREATING MENTAL AND BEHAVIOURAL DISORDERS**
[54] **UTILISATION DE LURASIDONE POUR LE TRAITEMENT DE TROUBLES MENTAUX ET COMPORTEMENTAUX**
[72] TSUJIMURA, TSUYOSHI, JP
[73] SUMITOMO DAINIPPON PHARMA CO., LTD.,
[85] 2014-10-22
[86] 2013-03-18 (PCT/JP2013/058473)
[87] (WO2013/161471)
[30] US (61/638,725) 2012-04-26
[30] JP (2012-100816) 2012-04-26

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[51] **Int.Cl. F04F 1/06 (2006.01) F04F 1/18 (2006.01)**
[25] EN
[54] **INTERMITTENT FLUID PUMP**
[54] **POMPE A FLUIDE INTERMITTENTE**
[72] LADOUCEUR, RICHARD, CA
[73] LADOUCEUR, RICHARD,
[86] (2872370)
[87] (2872370)
[22] 2014-11-26
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[25] EN
[54] **LIGHT WEIGHT TUBULAR TWIST BEAM**
[54] **POUTRE DEFORMEE TUBULAIRE LEGERE**
[72] PETERS, CHRISTOPHER ERIK, CA
[72] COMER, WILLIAM KEITH, CA
[73] MAGNA INTERNATIONAL INC.,
[85] 2014-11-12
[86] 2013-06-13 (PCT/CA2013/000571)
[87] (WO2013/185217)
[30] US (61/660,151) 2012-06-15

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[13] C
[51] **Int.Cl. A47K 10/42 (2006.01) A47K 10/32 (2006.01) A47K 10/38 (2006.01) B65D 83/08 (2006.01)**
[25] EN
[54] **WIPES DISPENSER NOZZLE**
[54] **EMBOUCHURE POUR DISTRIBUTEURS DE LINGETTES**
[72] RAY, EUGENE W., US
[73] GOJO INDUSTRIES, INC.,
[85] 2014-11-20
[86] 2013-05-21 (PCT/US2013/041927)
[87] (WO2013/177100)
[30] US (61/649,536) 2012-05-21
[30] US (13/832,750) 2013-03-15

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[51] **Int.Cl. A61N 1/05 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR ANCHORING ELECTRODE LEADS ADJACENT TO NERVOUS TISSUE**
[54] **APPAREIL ET PROCEDES D'ANCRAGE DE FILS D'ELECTRODE ADJACENTS A UN TISSU NERVEUX**
[72] SHIROFF, JASON ALAN, US
[72] DEMORETT, HENRY THOMAS, US
[72] RAWAT, PRASHANT BRIJMOHANSINGH, US
[72] HEEMELS, JOHANNES PETRUS, BE
[72] CROSBY, PETER ANDREW, US
[73] MAINSTAY MEDICAL LIMITED,
[85] 2014-11-26
[86] 2013-06-11 (PCT/US2013/045223)
[87] (WO2013/188433)
[30] US (61/659,334) 2012-06-13
[30] US (13/797,100) 2013-03-12

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[51] **Int.Cl. F03B 13/18 (2006.01)**
[25] EN
[54] **WAVE POWER CONVERTER HAVING A PADDLE**
[54] **CONVERTISSEUR DE PUISSANCE DE VAGUE COMPORTANT UNE PALETTE**
[72] WIGANT, LARS, DK
[73] PATENTSELSKABET AF 30. NOVEMBER 2014 APS,
[85] 2014-12-09
[86] 2013-06-20 (PCT/DK2013/050202)
[87] (WO2013/189500)
[30] DK (PA 2012 70344) 2012-06-20

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[51] **Int.Cl. B01D 53/75 (2006.01) C01B 17/04 (2006.01)**
[25] EN
[54] **INTEGRATED PROCESS FOR NATIVE CO2 RECOVERY FROM A SOUR GAS COMPRISING H2S AND CO2**
[54] **PROCEDE INTEGRE DESTINE A LA RECUPERATION DE CO2 NATIF D'UN GAZ ACIDE, COMPRENANT DU H2S ET DU CO2**
[72] WEISS, CLAIRE, FR
[72] GHODASARA, KAMLESH, FR
[72] POUSSE, FREDERIC, FR
[72] NEHB, WOLFGANG, DE
[72] JUNGST, ECKHARD, DE
[72] FRAENKLE, STEFAN, DE
[72] KARODE, SANDEEP, US
[72] GERARD, SYLVAIN, FR
[72] CHAMBRON, NICOLAS, FR
[73] TOTAL SA,
[73] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE,
[85] 2015-01-05
[86] 2013-06-13 (PCT/EP2013/062250)
[87] (WO2014/005817)
[30] US (61/668,689) 2012-07-06

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[51] **Int.Cl. B32B 3/30 (2006.01) B32B 7/05 (2019.01) B32B 27/16 (2006.01)**
[25] EN
[54] **MULTI-PLY PUCKERED FILMS FORMED BY DISCONTINOUS LAMINATION OF FILMS HAVING DIFFERENT REBOUND RATIOS**
[54] **PELLICULES FRONCEES MULTIPLIS FORMEES PAR STRATIFICATION DISCONTINUE DE PELLICULES AYANT DES RATIOS DE RETOUR DIFFERENTS**
[72] BROERING, SHAUN T., US
[72] CISEK, KEN, US
[72] BORCHARDT, MICHAEL G., US
[73] THE GLAD PRODUCTS COMPANY,
[85] 2015-01-09
[86] 2013-07-15 (PCT/US2013/050541)
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[30] US (13/552,352) 2012-07-18

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[13] C
[51] **Int.Cl. A61M 5/172 (2006.01) G16H 20/17 (2018.01) A61M 5/168 (2006.01)**
[25] EN
[54] **ENTERAL FEEDING PUMP WITH FLOW ADJUSTMENT**
[54] **POMPE D'ALIMENTATION ENTERALE A REGLAGE DE DEBIT**
[72] FLYNN, DANIEL P., US
[72] HARR, JAMES M., US
[72] HUDSON, JOSEPH A., US
[73] KPR U.S., LLC,
[85] 2015-01-20
[86] 2013-07-19 (PCT/US2013/051183)
[87] (WO2014/018381)
[30] US (13/557,335) 2012-07-25

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[25] EN
[54] **STAIR SYSTEMS AND WALL ASSEMBLIES COMPRISING SAME**
[54] **SYSTEMES D'ESCALIER ET ENSEMBLES MURAUX LES COMPRENANT**
[72] MEIER, DANIEL COLIN, CA
[73] ANENDA SYSTEMS INC.,
[85] 2015-01-30
[86] 2012-07-31 (PCT/CA2012/000737)
[87] (WO2014/019054)

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[13] C
[51] **Int.Cl. F16D 65/095 (2006.01) F16D 55/225 (2006.01)**
[25] EN
[54] **DISC BRAKE PAD MOUNTING AND RETENTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE MONTAGE ET DE RETENUE DE PLAQUETTES DE FREINS A DISQUE**
[72] PLANTAN, RONALD S., US
[72] RADHAKRISHNAN, HARISH, US
[72] WOLF, DENNIS A., US
[72] LANTZ, RICHARD L., US
[72] ROBERTS, WILL E., US
[72] BELL, STEVEN C., US
[73] BENDIX SPICER FOUNDATION BRAKE LLC,
[85] 2015-02-12
[86] 2013-08-13 (PCT/US2013/054679)
[87] (WO2014/028455)
[30] US (13/588,559) 2012-08-17

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[51] **Int.Cl. G01D 1/16 (2006.01) A01G 23/00 (2006.01) B62D 53/00 (2006.01) E02F 9/20 (2006.01) E02F 9/26 (2006.01) G01C 9/00 (2006.01) G01C 19/00 (2013.01) G01P 3/00 (2006.01) G01P 15/00 (2006.01)**
[25] EN
[54] **DETECTOR ARRANGEMENT IN CONNECTION WITH A MOBILE WORK MACHINE**
[54] **AGENCEMENT DE DETECTEURS EN ASSOCIATION AVEC UNE MACHINE DE TRAVAIL MOBILE**
[72] INBERG, JUHA, FI
[72] KIVI, ALEKSI, FI
[73] PONSSE OYJ,
[85] 2015-02-12
[86] 2013-08-28 (PCT/FI2013/050825)
[87] (WO2014/033365)
[30] FI (20125893) 2012-08-29

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[25] EN
[54] **DRUG DELIVERY SYSTEMS AND METHODS FOR TREATMENT OF BLADDER CANCER COMPRISINGIOXALIPLATIN**
[54] **SYSTEMES D'ADMINISTRATION DE MEDICAMENTS ET METHODES DE TRAITEMENT DU CANCER DE LA VESSIE INCLUANT DE L'OXALIPLATINE**
[72] GIESING, DENNIS, US
[73] TARIS BIOMEDICAL LLC,
[85] 2015-02-17
[86] 2013-09-03 (PCT/US2013/057836)
[87] (WO2014/036555)
[30] US (61/696,027) 2012-08-31

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[13] C
[51] **Int.Cl. A61K 31/7068 (2006.01) A61K 9/00 (2006.01) A61L 29/14 (2006.01) A61L 29/16 (2006.01) A61L 31/16 (2006.01) A61M 31/00 (2006.01) A61P 13/08 (2006.01) A61P 13/10 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **DRUG DELIVERY SYSTEMS AND METHODS FOR TREATMENT OF PROSTATE**
[54] **SYSTEMES D'ADMINISTRATION DE MEDICAMENTS ET METHODES DE TRAITEMENT DU CANCER DE LA PROSTATE**
[72] GIESING, DENNIS, US
[73] TARIS BIOMEDICAL LLC,
[85] 2015-02-19
[86] 2013-09-03 (PCT/US2013/057841)
[87] (WO2014/036556)
[30] US (61/696,029) 2012-08-31

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[13] C
[51] **Int.Cl. G01N 27/416 (2006.01)**
[25] EN
[54] **GATED VOLTAMMETRY**
[54] **VOLTAMPEROMETRIE COMMANDEE**
[72] WU, HUAN-PING, US
[73] ASCENSIA DIABETES CARE HOLDINGS AG,
[86] (2882830)
[87] (2882830)
[22] 2006-09-11
[62] 2,623,480
[30] US (60/722,584) 2005-09-30

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[13] C
[51] **Int.Cl. A01J 5/013 (2006.01)**
[25] EN
[54] **OPTICAL DEVICE FOR DETECTING ABNORMALITIES IN MILK**
[54] **DISPOSITIF OPTIQUE DE DETECTION D'ANOMALIES DANS LE LAIT**
[72] KRIEF, HAIM, SE
[73] DELAVAL HOLDING AB,
[85] 2015-02-27
[86] 2013-09-27 (PCT/SE2013/051125)
[87] (WO2014/055011)
[30] SE (1251098-8) 2012-10-01
[30] US (61/708,087) 2012-10-01

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[13] C
[51] **Int.Cl. F03B 3/12 (2006.01) B23P 15/04 (2006.01) F04D 29/24 (2006.01)**
[25] EN
[54] **RUNNER DEVICE FOR A HYDRAULIC FLUID FLOW MACHINE**
[54] **DISPOSITIF DE ROUE POUR UNE MACHINE A FLUX DE FLUIDE HYDRAULIQUE**
[72] SKARE, PER EGIL, NO
[73] DYNAVEC AS,
[85] 2015-03-02
[86] 2013-09-03 (PCT/NO2013/050146)
[87] (WO2014/038949)
[30] NO (20121011) 2012-09-07

[11] **2,884,997**
[13] C
[51] **Int.Cl. A61M 5/172 (2006.01) A61B 5/145 (2006.01)**
[25] EN
[54] **SAFEGUARDING TECHNIQUES FOR A CLOSED-LOOP INSULIN INFUSION SYSTEM**
[54] **TECHNIQUES DE SECURITE POUR SYSTEME DE PERFUSION D'INSULINE EN BOUCLE FERMEE**
[72] MASTROTOTARO, JOHN J., US
[72] GROSMAN, BENYAMIN, US
[72] PARIKH, NEHA J., US
[72] ROY, ANIRBAN, US
[72] KEENAN, DESMOND BARRY, US
[73] MEDTRONIC MINIMED, INC.,
[86] (2884997)
[87] (2884997)
[22] 2013-08-14
[62] 2,882,300
[30] US (61/694950) 2012-08-30
[30] US (61/694961) 2012-08-30
[30] US (61/812874) 2013-04-17
[30] US (13/870910) 2013-04-25
[30] US (13/870907) 2013-04-25
[30] US (13/870902) 2013-04-25
[30] US (13/966120) 2013-08-13
[30] US (13/966114) 2013-08-13
[30] US (13/966101) 2013-08-13
[30] US (13/966109) 2013-08-13

[11] **2,885,742**
[13] C
[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **QUICK RELEASE PLUNGER**
[54] **PLONGEUR A LIBERATION RAPIDE**
[72] COWAN, KEVIN P., US
[72] RHINEHART, EDWARD J., US
[72] TROCKI, MARK, US
[73] BAYER HEALTHCARE LLC,
[85] 2015-03-20
[86] 2013-09-24 (PCT/US2013/061384)
[87] (WO2014/052306)
[30] US (61/707,690) 2012-09-28
[30] US (61/710,570) 2012-10-05
[30] US (13/792,155) 2013-03-10

[11] **2,886,500**
[13] C
[51] **Int.Cl. B25J 5/00 (2006.01) B64F 5/10 (2017.01) B23Q 1/25 (2006.01) B66C 17/06 (2006.01) B66C 19/00 (2006.01)**
[25] EN
[54] **MOBILE AUTOMATED OVERHEAD ASSEMBLY TOOL FOR AIRCRAFT STRUCTURES**
[54] **OUTIL D'ASSEMBLAGE AUTOMATISE MOBILE SURELEVE POUR STRUCTURES D'AERONEF**
[72] DESJARDIEN, MATTHEW RAY, US
[72] REID, ERIC M., US
[72] BEST, STEVEN A., US
[72] MARTIN, DANIEL SAEIL, US
[73] THE BOEING COMPANY,
[86] (2886500)
[87] (2886500)
[22] 2015-03-26
[30] US (61/986,807) 2014-04-30
[30] US (14/558,899) 2014-12-03

[11] **2,887,102**
[13] C
[51] **Int.Cl. H02H 3/33 (2006.01)**
[25] EN
[54] **CIRCUIT INTERRUPTER PROVIDING GROUND FAULT PROTECTION AND SYSTEM INCLUDING THE SAME**
[54] **DISJONCTEUR FOURNISSANT UNE PROTECTION CONTRE LES DEFAUTS A LA TERRE ET SYSTEME LE COMPRENANT**
[72] MILLER, THEODORE, US
[73] EATON INTELLIGENT POWER LIMITED,
[85] 2015-04-01
[86] 2013-10-01 (PCT/US2013/062834)
[87] (WO2014/099096)
[30] US (13/716,656) 2012-12-17

[11] **2,888,928**
[13] C
[51] **Int.Cl. C07D 213/73 (2006.01) A61K 31/4412 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TERT-BUTYL N-[2-{4-[6-AMINO-5-(2,4-DIFLUOROBENZOYL)-2-OXOPYRIDIN-1(2H)-YL]-3,5-DIFLUOROPHENYL}ETHYL]-L-ALANINATE OR A SALT, HYDRATE OR SOLVATE THEREOF**
[54] **TERT-BUTYL N-[2-{4-[6-AMINO-5-(2,4-DIFLUOROBENZOYL)-2-OXOPYRIDIN-1(2H)-YL]-3,5-DIFLUOROPHENYL}ETHYL)-L-ALANINATE OU UN SEL, HYDRATE OU SOLVATE DE CELUI-CI**
[72] PINTAT, STEPHANE, GB
[72] DAVIES, STEPHEN JOHN, GB
[72] MOFFAT, DAVID FESTUS CHARLES, GB
[73] MACROPHAGE PHARMA LIMITED,
[85] 2015-04-16
[86] 2013-10-15 (PCT/GB2013/052689)
[87] (WO2014/060742)
[30] GB (1218640.9) 2012-10-17
[30] GB (1306881.2) 2013-04-16

[11] **2,892,796**
[13] C
[51] **Int.Cl. E21B 47/01 (2012.01) E21B 17/10 (2006.01)**
[25] EN
[54] **DOWNHOLE PROBE CENTRALIZER**
[54] **CENTREUR DE SONDE DE FORAGE**
[72] LOGAN, AARON W., CA
[72] LOGAN, JUSTIN C., CA
[72] DERKACZ, PATRICK R., CA
[73] EVOLUTION ENGINEERING INC.,
[85] 2015-05-26
[86] 2012-12-03 (PCT/CA2012/050870)
[87] (WO2014/085894)

[11] **2,892,823**
[13] C
[51] **Int.Cl. D03D 25/00 (2006.01) B29C 70/24 (2006.01) F01D 5/28 (2006.01)**
[25] FR
[54] **METHOD FOR MANUFACTURING A TURBINE ENGINE BLADE ROOT OF A COMPOSITE MATERIAL AND BLADE ROOT OBTAINED BY SUCH A METHOD**
[54] **PROCEDE DE FABRICATION D'UN PIED D'AUBE DE TURBOMACHINE EN MATERIAU COMPOSITE ET PIED D'AUBE OBTENU PAR UN TEL PROCEDE**
[72] ILLAND, HUBERT, FR
[73] SNECMA,
[85] 2015-05-25
[86] 2013-12-03 (PCT/FR2013/052925)
[87] (WO2014/087093)
[30] FR (1261640) 2012-12-05

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[13] C
[51] **Int.Cl. E21B 47/24 (2012.01) E21B 44/00 (2006.01)**
[25] EN
[54] **DOWNHOLE MWD SIGNAL ENHANCEMENT, TRACKING, AND DECODING**
[54] **AMELIORATION, SUIVI ET DECODAGE DE SIGNAL MVD DE FOND DE TROU**
[72] WHITE, MATTHEW A., US
[72] WHITACRE, TIM, US
[72] VAN STEENWYK, BRETT, US
[72] YOUSSEF, MOHAMED, US
[73] SCIENTIFIC DRILLING INTERNATIONAL, INC.,
[86] (2893150)
[87] (2893150)
[22] 2015-05-29
[30] US (62/005,843) 2014-05-30
[30] US (62/072,805) 2014-10-30
[30] US (14/723,414) 2015-05-27

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[13] C
[51] **Int.Cl. C02F 1/68 (2006.01) A23L 2/38 (2006.01)**
[25] EN
[54] **LIQUID DIETARY SUPPLEMENT FORMULATION COMPOSITIONS**
[54] **COMPOSITIONS DE FORMULATION DE COMPLEMENT ALIMENTAIRE LIQUIDE**
[72] WADHWA, MANPREET S., US
[73] WATERMINS LLC,
[85] 2015-06-12
[86] 2012-12-12 (PCT/US2012/069203)
[87] (WO2013/090402)
[30] US (61/569,790) 2011-12-13
[30] US (13/712,328) 2012-12-12

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[13] C
[51] **Int.Cl. A61F 2/38 (2006.01)**
[25] EN
[54] **ADJUSTABLE LATERAL ARTICULATING CONDYLE**
[54] **CONDYLE D'ARTICULATION LATERALE REGLABLE**
[72] WINSLOW, NATHAN A., US
[73] BIOMET MANUFACTURING, LLC,
[85] 2015-09-04
[86] 2014-03-07 (PCT/US2014/021970)
[87] (WO2014/159108)
[30] US (13/800,740) 2013-03-13

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[13] C
[51] **Int.Cl. A47B 21/00 (2006.01) G06F 1/16 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO PRESENTATION AND DISPLAY EQUIPMENT**
[54] **PERFECTIONNEMENTS APPORTES AU MATERIEL DE PRESENTATION ET D'AFFICHAGE OU LIES A CE MATERIEL**
[72] VINTON, ROGER ALAN, GB
[72] MCARDELL, ROGER NICHOLAS, GB
[72] PACKER, NOEL LIAM, GB
[73] VINTON, ROGER ALAN,
[73] MCARDELL, ROGER NICHOLAS,
[85] 2015-10-14
[86] 2013-05-13 (PCT/EP2013/059852)
[87] (WO2013/171174)
[30] GB (1208601.3) 2012-05-14

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[13] C
[51] **Int.Cl. C08L 75/04 (2006.01) C08L 1/02 (2006.01)**
[25] EN
[54] **POLYURETHANE COMPOSITES COMPRISING NANOCRYSTALLINE CELLULOSE AND METHOD FOR IMPROVING PROPERTIES OF POLYURETHANES THEREOF**
[54] **COMPOSITES A BASE DE POLYURETHANE COMPRENANT DE LA CELLULOSE NANOCRISTALLINE ET PROCEDE PERMETTANT D'AMELIORER LES PROPRIETES DES POLYURETHANES**
[72] BERRY, RICHARD, CA
[72] GRANGER, ALAIN, CA
[73] CELLUFORCE INC.,
[85] 2015-11-24
[86] 2014-05-22 (PCT/CA2014/050473)
[87] (WO2014/190428)
[30] US (61/828,241) 2013-05-29

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[13] C
[51] **Int.Cl. F01D 15/10 (2006.01) F02C 7/32 (2006.01) F02K 3/00 (2006.01)**
[25] EN
[54] **JET ENGINE ASSEMBLY AND METHOD FOR GENERATING ELECTRICITY**
[54] **ENSEMBLE MOTEUR A REACTION ET PROCEDE DE GENERATION D'ELECTRICITE**
[72] BLAZER, ROCK O'BRIEN, US
[72] RHYNARD, JOSHUA MARTIN, US
[73] GE AVIATION SYSTEMS LLC,
[85] 2015-11-25
[86] 2013-06-06 (PCT/US2013/044477)
[87] (WO2014/196975)

[11] **2,916,262**
[13] C
[51] **Int.Cl. F02K 1/70 (2006.01) F02K 1/80 (2006.01)**
[25] EN
[54] **ENGINE AND BAND CLAMP**
[54] **REACTEUR ET ELEMENT DE SERRAGE A BANDE**
[72] SCARR, ANTONY BRETT, US
[72] WEIR, THOMAS JOSEPH, US
[72] WOOLLEY, ALLEN MADSEN, US
[72] CLEGG, BRIAN KELBY, US
[72] JUST, MICHAEL SCOTT, US
[72] KLINGELE, ROBERT PAUL, US
[72] SOLBERG, DAVID HENRY, US
[73] MRA SYSTEMS, LLC,
[85] 2015-12-18
[86] 2013-07-02 (PCT/US2013/049041)
[87] (WO2015/002637)

[11] **2,916,815**
[13] C
[51] **Int.Cl. B60R 16/033 (2006.01) B60L 58/00 (2019.01) H02J 1/10 (2006.01) H02J 15/00 (2006.01) H02M 3/00 (2006.01) H02P 27/00 (2006.01)**
[25] EN
[54] **BI-DIRECTIONAL DC-DC POWER CONVERTER FOR A VEHICLE SYSTEM**
[54] **CONVERTISSEUR D'ALIMENTATION CC-CC BIDIRECTIONNEL POUR SYSTEME DE VEHICULE**
[72] SHE, XU, US
[72] KING, ROBERT DEAN, US
[72] HUH, KUM-KANG, US
[73] GENERAL ELECTRIC COMPANY,
[86] (2916815)
[87] (2916815)
[22] 2016-01-07
[30] US (14/595,706) 2015-01-13

[11] **2,917,523**
[13] C
[51] **Int.Cl. E04B 5/02 (2006.01) E04B 5/00 (2006.01)**
[25] EN
[54] **DECK SYSTEM AND COMPONENTS THEREOF, AND METHODS OF ASSEMBLING AND DISASSEMBLING DECK SYSTEMS AND COMPONENTS**
[54] **SYSTEME DE TERRASSE ET COMPOSANTES ASSOCIEES, ET METHODES D'ASSEMBLAGE ET DE DESASSEMBLAGE DES SYSTEMES DE TERRASSE ET COMPOSANTES**
[72] WINTER, ROGER, US
[73] WINTER, ROGER,
[86] (2917523)
[87] (2917523)
[22] 2016-01-13
[30] US (14/598,539) 2015-01-16

[11] **2,917,943**
[13] C
[51] **Int.Cl. F16B 33/00 (2006.01) B64D 45/02 (2006.01)**
[25] FR
[54] **METAL ATTACHMENT**
[54] **FIXATION METALLIQUE**
[72] REGNARD, BENOIT, FR
[72] GOYER, JULIEN, FR
[72] BROUCKE, MARTIAL, FR
[73] LISI AEROSPACE,
[85] 2016-01-11
[86] 2013-10-10 (PCT/FR2013/052427)
[87] (WO2015/007957)
[30] FR (1357157) 2013-07-19

[11] **2,918,923**
[13] C
[51] **Int.Cl. H01R 13/629 (2006.01)**
[25] EN
[54] **CONTACT DEVICE AND CHARGING CONTACT UNIT AND METHOD FOR ELECTRICAL CONNECTION OF A VEHICLE TO A CHARGING STATION**
[54] **DISPOSITIF DE CONTACT ET UNITE DE CONTACT DE CHARGE AINSI QUE PROCEDE DE LIAISON ELECTRIQUE D'UN VEHICULE AVEC UNE STATION DE CHARGE**
[72] WEIGEL, WILFRIED, DE
[72] SCHNEIDER, LOTHAR, DE
[72] DOMES, MATTHIAS, DE
[72] THIELMANN, VIKTOR, DE
[72] STAUBACH, TIMO, DE
[72] KLAUSNER, SVEN, DE
[73] SCHUNK BAHN- UND INDUSTRIETECHNIK GMBH,
[85] 2016-01-21
[86] 2014-08-07 (PCT/EP2014/066983)
[87] (WO2015/018888)
[30] DE (10 2013 013 201.0) 2013-08-09

[11] **2,918,924**
[13] C
[51] **Int.Cl. H01R 13/629 (2006.01)**
[25] EN
[54] **BEARING APPARATUS AND CONTACT APPARATUS, AND METHOD FOR MOUNTING A CONTACT APPARATUS ON A BEARING APPARATUS**
[54] **DISPOSITIF DE SUPPORT ET DISPOSITIF DE CONTACT AINSI QUE PROCEDE DE MONTAGE D'UN DISPOSITIF DE CONTACT SUR UN DISPOSITIF DE SUPPORT**
[72] WEIGEL, WILFRIED, DE
[72] SCHNEIDER, LOTHAR, DE
[72] DOMES, MATTHIAS, DE
[72] THIELMANN, VIKTOR, DE
[72] STAUBACH, TIMO, DE
[73] SCHUNK BAHN- UND INDUSTRIETECHNIK GMBH,
[85] 2016-01-21
[86] 2014-08-07 (PCT/EP2014/066984)
[87] (WO2015/018889)
[30] DE (10 2013 013 201.0) 2013-08-09

[11] **2,920,098**
[13] C
[51] **Int.Cl. G01N 1/10 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **SAMPLE COLLECTION DEVICE.**
[54] **DISPOSITIF DE COLLECTE D'ECHANTILLONS.**
[72] CHAHINE, KENNETH G., US
[72] OYLER, BENJAMIN J., US
[72] BALL, CATHERINE ANN, US
[72] GAETA, FEDERICO C. A., US
[73] ANCESTRY.COM DNA, LLC,
[85] 2016-02-01
[86] 2014-07-31 (PCT/US2014/049236)
[87] (WO2015/017701)
[30] US (61/861,329) 2013-08-01

[11] **2,920,105**
[13] C
[51] **Int.Cl. F16K 1/34 (2006.01) F16K 31/12 (2006.01)**
[25] EN
[54] **A FLOW CONTROL SYSTEM AND CONTROL VALVE HAVING CLOSURE ASSISTANCE**
[54] **SYSTEME DE REGULATION DU DEBIT ET SOUPAPE DE REGULATION COMPRENANT UNE ASSISTANCE A LA FERMETURE**
[72] LOGA, THOMAS HENRY, US
[72] SEILER, DAVID J., US
[72] CROUCH, JUSTIN BLAKE, US
[72] ZAHR, MICHAEL RICHARD ADIB, US
[72] ALMAZAN, RAUL H., US
[73] DANIEL MEASUREMENT AND CONTROL, INC.,
[85] 2016-02-01
[86] 2014-08-04 (PCT/US2014/049545)
[87] (WO2015/017849)
[30] US (61/861,771) 2013-08-02
[30] US (62/000,079) 2014-05-19

[11] **2,920,266**
[13] C
[51] **Int.Cl. G03B 43/00 (2006.01) H04W 4/00 (2018.01) H04N 13/337 (2018.01) G03B 35/26 (2006.01)**
[25] EN
[54] **STEREOSCOPIC IMAGE DISPLAY APPARATUS WITH REMOTELY CONTROLLED ALIGNMENT FUNCTION AND METHOD OF DISPLAYING STEREOSCOPIC IMAGE USING THE SAME**
[54] **APPAREIL D'AFFICHAGE D'UNE IMAGE STEREOSCOPIQUE DOTE D'UNE FONCTION D'ALIGNEMENT CONTROLEE A DISTANCE ET METHODE D'AFFICHAGE D'UNE IMAGE STEREOSCOPIQUE EMPLOYANT LEDIT APPAREIL**
[72] SO, BONG JAE, KR
[72] KIM, YONG KYU, KR
[72] KIM, YOUNG SUK, KR
[73] REALD INC.,
[86] (2920266)
[87] (2920266)
[22] 2016-02-09
[30] KR (10-2015-0048228) 2015-04-06

[11] **2,921,281**
[13] C
[51] **Int.Cl. B01F 7/00 (2006.01)**
[25] EN
[54] **STIRRING DEVICE COMPRISING A MOUNTING STRUCTURE FOR A STIRRING ELEMENT AND METHOD OF MOUNTING A STIRRING ELEMENT**
[54] **DISPOSITIF D'AGITATION COMPRENANT UNE STRUCTURE DE MONTAGE POUR UN ELEMENT D'AGITATION ET PROCEDE DE MONTAGE D'UN ELEMENT D'AGITATION**
[72] KOLL, THOMAS, AT
[73] THONI INDUSTRIEBETRIEBE GMBH,
[85] 2016-02-12
[86] 2014-08-14 (PCT/EP2014/067393)
[87] (WO2015/022390)
[30] EP (13180756.2) 2013-08-16

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[13] C
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[54] **COMPOSITIONS TOPIQUES POUR LA PEAU POUR LE TRAITEMENT DES RIDES**
[72] FLORENCE, TIFFANY, US
[72] HINES, MICHELLE, US
[72] GAN, DAVID, US
[72] ZHAO, WANLI, US
[73] MARY KAY INC.,
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[25] EN
[54] **PRODUCTION OF PARTIALLY REFINED WASTE GLYCEROL**
[54] **PRODUCTION DE GLYCEROL RESIDUAIRE PARTIELLEMENT RAFFINE**
[72] KO, MYONG K., US
[72] LIAO, PERRY Y., US
[72] LI, SIMON, US
[72] SANCHEZ-RIERA, FERNANDO A., US
[73] REG LIFE SCIENCES, LLC,
[85] 2016-02-17
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[54] **ANCHORAGE CONNECTOR FOR A SAFETY SYSTEM**
[54] **CONNECTEUR D'ANCRAGE POUR SYSTEME DE SECURITE**
[72] ROBINSON, BRYAN WILLIS, CA
[72] TSAI, JACK YI YO, CA
[73] 1078955 BC LTD.,
[85] 2016-02-29
[86] 2014-09-05 (PCT/CA2014/000682)
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[54] **IMPROVED SYSTEM FOR POST PROCESSING GNSS/INS MEASUREMENT DATA AND CAMERA IMAGE DATA**
[54] **SYSTEME AMELIORE POUR LE POST-TRAITEMENT DE DONNEES DE MESURE GNSS/INS ET DONNEES D'IMAGES D'APPAREIL DE PRISE DE VUES**
[72] ROESLER, GREGORY J., CA
[73] NOVATEL INC.,
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[54] **SYSTEME DE NAVIGATION AVEC GNSS RAPIDE ET INITIALISATION PAR INTERTIE**
[72] MORIN, KRISTIAN, CA
[72] BOBYE, MICHAEL, CA
[72] KENNEDY, SANDY, CA
[73] NOVATEL INC.,
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[54] **TUYAU FLEXIBLE EN CAOUTCHOUC ET PLASTIQUE**
[72] CLARK, AARON DAVID, US
[72] CLARK, GINA THERESA, US
[73] EATON INTELLIGENT POWER LIMITED,
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[54] **SWITCHABLE MATERIALS, METHODS AND USES THEREOF**
[54] **MATERIAUX PERMUTABLES ET PROCEDES ET UTILISATIONS ASSOCIES**
[72] BONIFACE, KYLE J., CA
[72] CLARK, TIMOTHY JAMES, CA
[72] CUNNINGHAM, MICHAEL F., CA
[72] JESSOP, PHILIP G., CA
[72] MARIAMPILLAI, BRIAN ERNEST, CA
[72] MERCER, SEAN M., CA
[72] RESENDES RUI, CA
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[54] **REAGENT MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION D'AGENT DE REACTION**
[72] ACKERMANN, FRIEDRICH, DE
[72] CALATZIS, ANDREAS, DE
[72] HARBERS, RIK, DE
[72] HUTTER, ROLAND, DE
[72] BOLLIGER, JEAN-PIERRE, DE
[72] LABUD, PATRICK SASCHA, DE
[72] KITCOFF, THERESA, DE
[73] F. HOFFMANN-LA ROCHE AG,
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[54] **DEVICE FOR ABSORBING ELECTROMAGNETIC WAVES DESIGNED TO BE SECURED TO A WALL**
[54] **DISPOSITIF D'ABSORPTION D'ONDES ELECTROMAGNETIQUES DESTINE A ETRE FIXE SUR UNE PAROI**
[72] THAIN, ANDREW, FR
[72] JABER, ANASS, FR
[72] HERVE, ALEXANDRE, FR
[73] AIRBUS OPERATIONS (S.A.S.),
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[54] **AUTOMATIC WELLBORE ACTIVITY SCHEDULE ADJUSTMENT METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME D'AJUSTEMENT DE PLANIFICATION D'ACTIVITE DE PUITS DE FORAGE AUTOMATIQUE**
[72] HILDEBRAND, GINGER, US
[72] COFFMAN, CHUNLING GU, US
[72] LUPPENS, JOHN CHRISTIAN, US
[73] SCHLUMBERGER CANADA LIMITED,
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[54] **HYDROCRACKING OF GAS OILS WITH INCREASED DISTILLATE YIELD**
[54] **HYDROCRAQUAGE DES GAS-OILS A UN RENDEMENT DE PRODUITS DISTILLES ACCRU**
[72] VIJAY, ROHIT, US
[72] DANDEKAR, AJIT BHASKAR, US
[72] DAAGE, MICHEL, US
[72] OLIVERI, CHRISTOPHER G., US
[72] ELIA, CHRISTINE NICOLE, US
[72] LACY, DARRYL DONALD, US
[72] WEIGEL, SCOTT J., US
[72] FINGLAND, BRADLEY R., US
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY,
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[54] **A FRAME ASSEMBLY INCLUDING A CORNERLOCK**
[54] **UN ENSEMBLE DE CADRE COMPORTANT UN COIN FERME**
[72] ISAACS, JOSEPH D., US
[72] JENSEN, BRIAN, US
[72] PICH, RONALD J., US
[72] FETTING, SCOTT M., US
[72] PICHLER, JACOB D., US
[72] LOVELADY, HAROLD A., US
[73] QUANEX CORPORATION,
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[87] (2931601)
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[54] **RELATIVE POSITION MEASUREMENT**
[54] **MESURE DE POSITION RELATIVE**
[72] PRENTICE, IAN FRANCIS, US
[73] GENERAL ELECTRIC COMPANY,
[86] (2932599)
[87] (2932599)
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[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUSES FOR PERFORMING AUTOMATED REAGENT-BASED ASSAYS**
[54] **SYSTEMES, PROCEDES ET APPAREILS POUR EFFECTUER DES DOSAGES AUTOMATISES A BASE DE REACTIF**
[72] KNIGHT, BYRON J., US
[72] BUSE, DAVID, US
[72] GROELI, JULIAN, US
[73] GEN-PROBE INCORPORATED,
[86] (2936223)
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[54] **ANTI-NGF ANTIBODIES AND METHODS USING SAME**
[54] **ANTICORPS ANTI-NGF ET PROCEDES D'UTILISATION DE CES ANTICORPS**
[72] SHELTON, DAVID L., US
[72] PONS, JAUME, US
[72] ROSENTHAL, ARNON, US
[73] RINAT NEUROSCIENCE CORP.,
[86] (2936742)
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[25] EN
[54] **APPARATUS FOR SEPARATING A GRANULAR MATERIAL FROM A CONVEYING AIR STREAM**
[54] **DISPOSITIF DE SEPARATION D'UN PRODUIT GRANULAIRE D'AVEC UN FLUX D'AIR DE TRANSPORT**
[72] REITER, FRANZ, AT
[73] WINTERSTEIGER AG,
[85] 2016-07-14
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[54] **AIRCRAFT TRANSPARENCY WITH PRESSURE SEAL AND/OR ANTI-STATIC DRAIN**
[54] **VITRAGE D'AERONEF AYANT UN JOINT D'ETANCHEITE ET/OU UN DRAIN ANTISTATIQUE**
[72] HARRISON, SPENCER B., US
[72] HARTMANN, JAMES V., US
[73] PPG INDUSTRIES OHIO, INC.,
[85] 2016-07-21
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[25] EN
[54] **METHOD FOR MAPPING THE PROPAGATION OF EARTH FRACTURES**
[54] **PROCEDE POUR MAPPER LA PROPAGATION DE FRACTURES TERRIENNES**
[72] HIBBS, ANDREW D., US
[73] GROUNDMETRICS, INC.,
[85] 2016-08-18
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[54] **ELECTROLYZER AND MEMBRANES**
[54] **ELECTROLYSEUR ET MEMBRANES**
[72] MASEL, RICH, US
[72] CHEN, QINGMEI, US
[72] LIU, ZENGCAI, US
[72] KUTZ, ROBERT, US
[73] DIOXIDE MATERIALS, INC.,
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[54] **ADJUSTABLE SIDE LINER FOR PUMP**
[54] **CHEMISE LATERALE AJUSTABLE POUR UNE POMPE**
[72] BURGESS, KEVIN EDWARD, AU
[72] FOREMAN, MICHAEL CHRISTOPHER, AU
[73] WEIR MINERALS AUSTRALIA LTD,
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[54] **DEVICE FOR CONNECTING SPECTACLE TEMPLES TO THE FRAME FRONT**
[54] **DISPOSITIF DE CONNEXION DE BRANCHES DE LUNETTES SUR LA FACE FRONTALE**
[72] RUBAUD, MARC-ANTOINE, FR
[72] THUAU, GUILLAUME, FR
[73] BAARS ET ASSOCIES,
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[51] **Int.Cl. G01N 29/14 (2006.01) D21C 11/00 (2006.01)**
[25] EN
[54] **ACOUSTIC EMISSION SYSTEM AND METHOD FOR PREDICTING EXPLOSIONS IN DISSOLVING TANK**
[54] **SYSTEME D'EMISSION ACOUSTIQUE ET METHODE DE PREDICTION DES EXPLOSIONS DANS UN RESERVOIR DE DISSOLUTION**
[72] AURA, KARI AATOS, FI
[72] TIMOTHEO, ALVARO MOURA, US
[73] ANDRITZ INC.,
[86] (2947200)
[87] (2947200)
[22] 2016-11-01
[30] US (62/252,221) 2015-11-06
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[25] EN
[54] **NUTRIENT RICH COMPOSITIONS**
[54] **COMPOSITIONS RICHES EN SUBSTANCES NUTRITIVES**
[72] MORASH, DANIEL M., US
[72] LEJEUNE, MARK, US
[73] CALIFORNIA SAFE SOIL, LLC,
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[54] **VANNE DE COMMANDE ET SYSTEME DE DEMARRAGE PNEUMATIQUE**
[72] ZINGER, MARC DAVID, US
[72] ZALUSKY, JAMES THOMAS, US
[72] ROSLUND, ERIC SIDNEY, US
[73] GE AVIATION SYSTEMS LLC,
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[25] EN
[54] **SYSTEM AND METHOD FOR SAFETY-CRITICAL SOFTWARE AUTOMATED REQUIREMENTS-BASED TEST CASE GENERATION**
[54] **SYSTEME ET METHODE DE PRODUCTION DE CAS D'ESSAI FONDES SUR DES EXIGENCES AUTOMATISEES DESTINES AUX LOGICIELS VITAUX POUR LA SECURITE**
[72] LI, MENG, US
[72] DURLING, MICHAEL RICHARD, US
[72] SIU, KIT YAN, US
[72] OLIVEIRA, ITALO, US
[72] YU, HAN, US
[72] DE CONTO, AUGUSTO MARASCA, US
[73] GENERAL ELECTRIC COMPANY,
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[87] (2948250)
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[54] **SYSTEME VIRTUEL DE SURVEILLANCE DE L'ENVIRONNEMENT D'UN CENTRE DE DONNEES**
[72] ROSS, PETER GEORGE, US
[72] FERREIRA, ADOLFO BRAVO, US
[72] TOWNER, RICHARD CHADWICK, US
[73] AMAZON TECHNOLOGIES, INC.,
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[25] EN
[54] **HYDROELECTRIC TURBINES, ANCHORING STRUCTURES, AND RELATED METHODS OF ASSEMBLY**
[54] **TURBINES HYDROELECTRIQUES, STRUCTURES D'ANCRAGE, ET PROCEDES D'ASSEMBLAGE ASSOCIES**
[72] POWER, DANIEL E., US
[72] HANSEN, NED, US
[73] OCEANA ENERGY COMPANY,
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[25] EN
[54] **LUGGAGE WARDROBE SYSTEM AND METHOD OF USE**
[54] **SYSTEME DE GARDE-ROBE DE BAGAGE ET METHODE D'UTILISATION**
[72] MCKELVEY, SANNI, US
[73] MCKELVEY, SANNI,
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[54] **ASSEMBLAGE DE COMBUSTOR**
[72] HANNWACKER, DAVID ANDREW, US
[72] HOWELL, STEPHEN JOHN, US
[73] GENERAL ELECTRIC COMPANY,
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[54] **A MAGNETIC POUCH ATTACHMENT MECHANISM WITH CRASH STABLE LOCKING TEETH**
[54] **MECANISME DE FIXATION MAGNETIQUE DE POCHETTE A DENTS DE VERROUILLAGE STABLE A L'ECRASEMENT**
[72] SPECTOR, YUVAL, US
[72] SCHROEDER, TIMOTHY PAUL, US
[72] BAR-EREZ, EYAL, US
[73] FERNO-WASHINGTON, INC.,
[73] SHELL CASE LIMITED,
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[30] US (62/026,520) 2014-07-18

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[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUSES FOR MEASURING DEFORMATION OF A SURFACE**
[54] **SYSTEMES, PROCEDES ET APPAREILS DE MESURE DE DEFORMATION DE SURFACE**
[72] BYRNE, RICHARD BAXTER, US
[73] APPLIED RESEARCH ASSOCIATES, INC.,
[85] 2017-01-13
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[30] US (62/035,109) 2014-08-08
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[51] **Int.Cl. D06F 37/00 (2020.01)**
[25] EN
[54] **LAUNDRY TREATMENT APPARATUS**
[54] **APPAREIL DE TRAITEMENT DE LESSIVE**
[72] LEE, JIHONG, KR
[72] SUNG, KIJUNG, KR
[72] JUNG, SEUNGWOOK, KR
[73] LG ELECTRONICS INC.,
[85] 2017-01-25
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[30] KR (10-2016-0073973) 2016-06-14

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[54] **APPAREIL DE TRAITEMENT DE LINGE**
[72] SEO, JINWOO, KR
[72] WON, WOONGHUI, KR
[72] LEE, JIHONG, KR
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[54] **COMPOSITIONS ET METHODES DE DETECTION DU VIRUS DU NIL OCCIDENTAL**
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[72] POLLNER, REINHOLD B., US
[72] WU, WEN, US
[72] DENNIS, GEOFFREY G., US
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[54] **COPOLYMERES DE POLY(OXAZOLINE-CO-ETHYLENE-IMINE)-EPICHLORHYDRINE ET LEURS UTILISATIONS**
[72] CHANG, FRANK, US
[72] HOLLAND, TROY VERNON, US
[73] ALCON INC.,
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[54] **COMPOSITIONS DE DENDRIMERES ET UTILISATION DANS LE TRAITEMENT DE TROUBLES NEUROLOGIQUES ET DU SYSTEME NERVEUX CENTRAL**
[72] RANGARAMANUJAM, KANNAN, US
[72] KANNAN, SUJATHA, US
[72] NANCE, ELIZABETH, US
[72] BLUE, MARY E., US
[72] JOHNSTON, MICHAEL V., US
[72] BAUMGARTNER, WILLIAM, US
[72] ZHANG, FAN, US
[72] WILSON, MARY ANN, US
[72] SLUSHER, BARBARA, US
[73] THE JOHNS HOPKINS UNIVERSITY,
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[54] **MESURE DE RNM A DOMAINE TEMPOREL ET CHAMP FAIBLE DES FLUX DE PROCEDES DE SABLES BITUMINEUX**
[72] PAPROSKI, RICHARD, CA
[73] SYNCRUDE CANADA LTD. IN TRUST FOR THE OWNERS OF THE SYNCRUDE PROJECT AS SUCH OWNERS EXIST NOW AND IN THE FUTURE,
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[54] **PANSEMENT ADHESIF DOTE D'UNE SURFACE EXTERIEURE PAILLETEE**
[72] CHANDARIA, KAPOOR, KE
[73] KITARU INNOVATIONS INC.,
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[54] **PROCEDE AMELIORE DE TREMPAGE DE SEMENCES**
[72] SHEN, TONGYUN, SE
[73] ROBUST SEED TECHNOLOGY A&F AKTIEBOLAG,
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[72] HELMS, MARTIN, DE
[72] THOMAS, BENSON, US
[72] LIESS, MARTIN, DE
[72] KIESS, CHRISTIAN, DE
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC,
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[54] **SYSTEMES ET PROCEDES POUR SURVEILLANCE PHYSIOLOGIQUE AMELIOREE**
[72] NAGARKAR, KAUSTUBH RAVINDRA, US
[72] ASHE, JEFFREY MICHAEL, US
[72] HUBER, WILLIAM HULLINGER, US
[72] COUTURE, AARON JUDY, US
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[54] **PROCEDE ET DISPOSITIF DE RETRANSMISSION DE CODE POLAIRE**
[72] SHEN, HUI, CN
[72] LI, BIN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD.,
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[54] **PROCEDE D'ADAPTATION DE DEBIT DE CODE POLAIRE ET DISPOSITIF D'ADAPTATION DE DEBIT**
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[73] HUAWEI TECHNOLOGIES CO., LTD.,
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[54] **ENSEMBLE OUTIL COMPRENANT UN MANCHE UNIVERSEL ET DES TETES D'OUTIL INTERCHANGEABLES**
[72] BALZ, ERIC R., US
[72] GINGRAS, ERIC, US
[72] LATIMER, SCOTT, US
[72] FINISON, JEREMY B., US
[72] ANDERSON, DAN, US
[72] GILBERTSON, SARAH, US
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[54] **OUTIL ORTHOPEDIQUE POUR LA FIXATION D'OS**
[72] FINLEY, ADAM, US
[72] HOEPPNER, JACY C., US
[72] STONE, KEVIN T., US
[72] BERELSMAN, BRIAN K., US
[73] BIOMET C.V.,
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[54] **METHOD FOR CONTROLLING A DOOR ARRANGEMENT, AS WELL AS A DOOR ARRANGEMENT OF THIS KIND AND A SAFETY DEVICE THEREFOR**
[54] **PROCEDE DE COMMANDE D'UN SYSTEME DE PORTE AINSI QUE SYSTEME DE PORTE ET DISPOSITIF DE SECURITE CORRESPONDANT**
[72] BARTOLE, DIETER, DE
[72] KREMSER, HANS-JORG, DE
[72] MAYER, MARTIN, DE
[73] EFAFLEX TOR-UND SICHERHEITSSYSTEME GMBH & CO. KG,
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[54] **AUTOMATED LOADING AND UNLOADING ITEMS**
[54] **CHARGEMENT ET DECHARGEMENT AUTOMATISES D'ARTICLES**
[72] KADABA, NAGESH, US
[72] PETERSON, ERIK, US
[72] RAMSAGER, THOMAS, US
[73] UNITED PARCEL SERVICE OF AMERICA, INC.,
[85] 2017-07-21
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[54] **SYSTEME DE GENERATION ET DE DISTRIBUTION D'ENERGIE POUR UNITES DE FORAGE EN MER**
[72] PEDERSEN, JOHN RON, DK
[73] MAERSK DRILLING A/S,
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[25] EN
[54] **TRACK SYSTEM FOR TRACTION OF A VEHICLE**
[54] **ENSEMBLE CHENILLE POUR LA TRACTION D'UN VEHICULE**
[72] BOILY, PATRICE, CA
[72] BERGERON, MATTHIEU, CA
[72] RICHARD, SIMON, CA
[72] LAPERLE, GHISLAIN, CA
[73] CAMSO INC.,
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[54] **VARIABLE DUAL FLOW FITTING**
[54] **RACCORD D'ECOULEMENT DOUBLE VARIABLE**
[72] FABRIZIO, EDWARD VINCENT, US
[73] CHRONOMITE LABORATORIES, INC.,
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[25] EN
[54] **TREATMENT METHOD BY COMBINED USE OF MDM2 INHIBITOR AND BTK INHIBITOR**
[54] **PROCEDE DE TRAITEMENT COMBINANT UN INHIBITEUR DE MDM2 ET UN INHIBITEUR DE BTK**
[72] SEKI, TAKAHIKO, JP
[73] DAIICHI SANKYO COMPANY, LIMITED,
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[87] (WO2016/167236)
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[25] EN
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[54] **COLLECTE DE DONNEES, INTEGRATION ET PRESENTATION DE CAPTEUR MULTICONTEXTE**
[72] ZIEGLER, MATTHEW JAMES, US
[72] DATSKOV, IVAN, US
[73] OSISOFT, LLC,
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[25] EN
[54] **COMBUSTION METHODS FOR LOW VELOCITY FUEL STREAM**
[54] **PROCEDES DE COMBUSTION POUR FLUX DE COMBUSTIBLE A FAIBLE VITESSE**
[72] FRANCIS, ARTHUR W., JR., US
[72] KOBAYASHI, HISASHI, US
[72] WU, KUANG-TSAI, US
[73] PRAXAIR TECHNOLOGY, INC.,
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[54] **FOLDING TABLE**
[54] **TABLETTE PLIANTE**
[72] ENZINGER, SINDHUJA-CHEEMA, AT
[72] KONRAD, WILFRIED JOHANN, AT
[73] FACC AG,
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[54] **AN INTUMESCENT COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT INTUMESCENTE**
[72] PESKENS, RONNIE, NL
[72] DE BOER, THOMAS, NL
[73] PPG COATINGS EUROPE B.V.,
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[86] 2016-04-22 (PCT/EP2016/059023)
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[54] **FORMWORK TUBE**
[54] **TUBE DE COFFRAGE**
[72] ELDUAYEN MADARIAGA, JUAN ANDRES, ES
[72] SANCHEZ GARDUNO, JAVIER, ES
[73] 20 EMMA 20 S.L.,
[73] HEGAIN 2100 CONSULTING S.L.,
[85] 2017-10-26
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[25] EN
[54] **TECHNIQUES FOR PREDICTING PERCEPTUAL VIDEO QUALITY**
[54] **TECHNIQUES DE PREDICTION DE QUALITE VIDEO PERCEPTUELLE**
[72] AARON, ANNE, US
[72] KIM, DAE, US
[72] LIN, YU-CHIEH, US
[72] RONCA, DAVID, US
[72] SCHULER, ANDY, US
[72] TSAO, KUYEN, US
[72] WU, CHI-HAO, US
[73] NETFLIX, INC.,
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[54] **ENSEMBLE REDUCTION DE BRUIT MOULE PAR INJECTION ET SYSTEME DE DEPLOIEMENT**
[72] WOCHNER, MARK S., US
[72] MCNEESE, ANDREW R., US
[72] LEE, KEVIN M., US
[72] WILSON, PRESTON S., US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM,
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[54] **SNUS CONTAINER**
[54] **CONTENANT POUR TABAC A PRISER**
[72] HINNERUD, JACOB ELANDER, SE
[72] BERGGREN, ADAM, SE
[73] FIEDLER & LUNDGREN AB,
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[54] **HEATING ELEMENT FOR A SHAVING RAZOR**
[54] **ELEMENT CHAUFFANT POUR UN RASOIR DE RASAGE**
[72] BROEMSE, NORBERT, DE
[72] HEUBACH, KLAUS, DE
[73] THE GILLETTE COMPANY LLC,
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[54] **CONDENSIBLE GAS BOTANICAL EXTRACTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES D'EXTRACTION BOTANIQUE DE GAZ CONDENSABLE**
[72] NAHTIGAL, ISTOK GORAZD, CA
[73] MEDRELEAF CORP.,
[86] (2990050)
[87] (2990050)
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[54] **PICTURE GESTURE AUTHENTICATION**
[54] **AUTHENTIFICATION DE GESTE D'IMAGE**
[72] JOHNSON, JEFF, US
[72] SEIXEIRO, STEVE, US
[72] PACE, ZACHARY, US
[72] VAN DER BOGERT, GILES, US
[72] GILMOUR, SEAN, US
[72] SIEBENS, LEVI, US
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[73] MICROSOFT TECHNOLOGY LICENSING, LLC,
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[54] **AUTHENTIFICATION DE GESTE D'IMAGE**
[72] JOHNSON, JEFF, US
[72] SEIXEIRO, STEVE, US
[72] PACE, ZACHARY, US
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[72] GILMOUR, SEAN, US
[72] SIEBENS, LEVI, US
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[54] **CROWNING OF A SPLINE IN A DIRECTION PERPENDICULAR TO A SPLINE TOOTH FACE**
[54] **COURONNEMENT D'UNE CLAVETTE DANS UNE DIRECTION PERPENDICULAIRE A LA FACE DE LA DENT DE LA CLAVETTE**
[72] OLSON, ERIC STEPHEN, US
[73] BELL HELICOPTER TEXTRON INC.,
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[25] EN
[54] **MDCT-BASED COMPLEX PREDICTION STEREO CODING**
[54] **CODAGE STEREO A PREDICTION COMPLEXE A BASE DE MDCT**
[72] PURNHAGEN, HEIKO, SE
[72] CARLSSON, PONTUS, SE
[72] VILLEMOES, LARS, SE
[73] DOLBY INTERNATIONAL AB,
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[54] **WEAR SENSOR AND THE CORRESPONDING WEAR ELEMENT, ASSEMBLY AND USE**
[54] **CAPTEUR D'USURE ET ELEMENT D'USURE, ET ENSEMBLE ET UTILISATION CORRESPONDANTS**
[72] MARQUEZ LLINAS, JORDI, ES
[72] CESAR GALOBARDES, JOAN, ES
[72] VALLVE, NIL, ES
[72] TRIGINER BOIXEDA, JORGE, ES
[72] TORAL MARTIN, CRISTIAN, ES
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[54] **SYSTEMS AND METHODS FOR BURST DETECTION IN A CATV NETWORK**
[54] **SYSTEMES ET METHODES DE DETECTION DE PAQUETS DE DONNEES DANS UN RESEAU TELEVISE CABLE**
[72] SCHEMMANN, MARCEL F., NL
[72] MUTALIK, VENKATESH G., US
[73] ARRIS ENTERPRISES LLC,
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[25] EN
[54] **CONTROLLING VACUUM IN A HORIZONTAL PAN FILTERING DEVICE**
[54] **CONTROLE DU VIDE DANS UN DISPOSITIF DE FILTRAGE DE PLATEAU HORIZONTAL**
[72] WU, XIN ALEX, CA
[73] SYNCRUDE CANADA LTD.,
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[54] **METHOD FOR MANUFACTURING A RING-SHAPED FRAME**
[54] **PROCEDE DE FABRICATION D'UN CADRE DE FORME ANNULAIRE**
[72] VALEMBOIS, GUY, FR
[73] CONSEIL ET TECHNIQUE,
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[25] EN
[54] **INTERACTIVE FAIRGROUND RIDE, IN PARTICULAR ROLLER COASTER**
[54] **MANEGE INTERACTIF, EN PARTICULIER MONTAGNES RUSSES**
[72] SCHRADE, STEPHAN, DE
[73] MACK RIDES GMBH & CO. KG,
[85] 2018-02-14
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[54] **GOING ON LOCATION FEASIBILITY TAKING INTO ACCOUNT OFF-SHORE OCEAN CONDITIONS**
[54] **FAISABILITE DE DEPLACEMENT TENANT COMPTE DES CONDITIONS OCEANIQUES HAUTURIERES**
[72] MELKOWITS, MASON COREY, US
[72] GRASSO, BARTON D., US
[72] STRACHAN, FRANK, US
[72] VAZQUEZ, JOSE H., US
[73] ENSCO SERVICES LIMITED,
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[54] **PASSIVE DOUBLE DRIVE MEMBER ACTIVATED SAFETY BLOOD COLLECTION DEVICE**
[54] **DISPOSITIF DE COLLECTE DE SANG A SURETE ACTIVEE PAR UN DOUBLE ELEMENT D'ENTRAINEMENT PASSIF**
[72] WILKINSON, BRADLEY M., US
[73] BECTON, DICKINSON AND COMPANY,
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[54] **MESURE DES PROPRIETES DU CIMENT**
[72] HJULSTAD, ASMUND, NO
[72] BREVIK, JAN OVE, NO
[73] EQUINOR ENERGY AS,
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[25] EN
[54] **PLANT REGULATORY ELEMENTS AND USES THEREOF**
[54] **ELEMENTS REGULATEURS DES PLANTES ET LEURS UTILISATIONS**
[72] FLASINSKI, STANISLAW, US
[72] FOAT, BARRETT C., US
[72] SHULTZ, RANDALL W., US
[72] WU, WEI, US
[72] OUFATTOLE, MOHAMMED, US
[72] WEI, XIAOPING, US
[72] YANG, SHIAW-PYNG, US
[73] MONSANTO TECHNOLOGY LLC,
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[25] EN
[54] **METHOD FOR THE EFFICIENT AND CONTINUOUS GROWTH AND HARVESTING OF MULTIPLE SPECIES OF PHYTOPLANKTON**
[54] **METHODE DE CROISSANCE ET RECOLTE EFFICACES ET CONTINUES DE PLUSIEURS ESPECES DE PHYTOPLANCTON**
[72] HARPER, MARGARET, CA
[72] RAMIREZ, ARTURO, CA
[73] CANADIAN PACIFIC ALGAE INC.,
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[72] FOAT, BARRETT C., US
[72] OUFATTOLE, MOHAMMED, US
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[54] **WIND TURBINE ROTOR BLADE AND WIND TURBINE SYSTEM**
[54] **PALE DE ROTOR D'EOLIENNE ET EOLIENNE**
[72] SPIETH, FALK, DE
[72] HOFFMANN, ALEXANDER, DE
[72] BORCHERS, RASMUS, DE
[73] WOBBEN PROPERTIES GMBH,
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[54] **CLEANING PAD HAVING PREFERRED PERFORMANCE WITH REPRESENTATIVE CLEANING SOLUTION**
[54] **TAMPON DE NETTOYAGE AYANT UNE PERFORMANCE PREFEREE AVEC UNE SOLUTION DE NETTOYAGE REPRESENTATIVE**
[72] HOYING, DAVID JOHN, US
[72] TOLLENS, FERNANDO RAY, US
[72] KEITH, BRIAN LEE, US
[72] ELLIS, JESSICA LEA, US
[73] THE PROCTER & GAMBLE COMPANY,
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[54] **SUPPORT ASSEMBLY HAVING VARIABLE STIFFNESS MEMBER**
[54] **ASSEMBLAGE DE SUPPORT DOTE D'UN ELEMENT DE RENFORT VARIABLE**
[72] AC, SHIVARAM, IN
[72] BURAVALLA, VIDYASHANKAR RAMASASTRY, IN
[72] GANIGER, RAVINDRA SHANKAR, IN
[72] GHOSH, SHUVAJYOTI, IN
[72] JOSHI, AKASH, IN
[73] GENERAL ELECTRIC COMPANY,
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[54] **VIBRATING FITNESS BALL**
[54] **BALLON D'EXERCICE VIBRANT**
[72] MARTON, ROBERT, US
[72] KATZ, ANTHONY, US
[73] HYPER ICE, INC.,
[85] 2018-04-06
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[54] **WIND-TURBINE ROTOR BLADE AND METHOD FOR PRODUCING A WIND-TURBINE ROTOR BLADE**
[54] **PALE DE ROTOR D'EOLIENNE ET PROCEDE DE FABRICATION DE PALE DE ROTOR D'EOLIENNE**
[72] HOFFMANN, ALEXANDER, DE
[73] WOBBEN PROPERTIES GMBH,
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[54] **STRUCTURAL CROSS BRACING SYSTEM**
[54] **SYSTEME DE SUPPORT CROISE STRUCTUREL**
[72] KOLLINGER, MICHAEL, CA
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[54] **SYSTEMS AND METHODS FOR AN INLINE DUAL CAM TENSIONING DEVICE**
[54] **SYSTEMES ET PROCEDES POUR TENDEUR DE CAME DOUBLE EN LIGNE**
[72] SEADER, REX, US
[73] NITE IZE, INC.,
[85] 2018-04-20
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[54] **CONNECTABLE DOLLY**
[54] **CHARIOT POUVANT ETRE RACCORDE**
[72] STAHL, EDWARD L., US
[72] MAY, ERIC P., US
[73] ORBIS CORPORATION,
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[54] **KEVLAR WRAP REMOVAL FROM FAN CASING**
[54] **RETRAIT D'UN EMBALLAGE DE KEVLAR D'UN BOITIER DE VENTILATEUR**
[72] CYREK, MICHAL JERZY, PL
[72] STASZAK, MARIUSZ PAWEL, PL
[72] MOCZULSKI, LESZEK JOZEF, PL
[73] GENERAL ELECTRIC COMPANY,
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[54] **METHOD OF PREPARING BATTERY ELECTRODES**
[54] **PROCEDE DE PREPARATION D'ELECTRODES DE BATTERIE**
[72] SHEN, PEIHUA, CN
[72] WONG, SING HUNG ERIC, CN
[73] GRST INTERNATIONAL LIMITED,
[85] 2018-05-25
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[54] **PATHWAY RECOGNITION ALGORITHM USING DATA INTEGRATION ON GENOMIC MODELS (PARADIGM)**
[54] **ALGORITHME DE RECONNAISSANCE DE VOIE A L'AIDE D'INTEGRATION DE DONNEES SUR DES MODELES GENETIQUES (PARADIGME)**
[72] VASKE, CHARLES J., US
[72] BENZ, STEPHEN C., US
[72] STUART, JOSHUA M., US
[72] HAUSSLER, DAVID, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA,
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[25] EN
[54] **HAY-BASED MATERIAL FREE OF RESPIRABLE DUST EMISSION: PROCESS FOR ITS PREPARATION, USE AND ASSOCIATED MACHINE**
[54] **MATERIAU A BASE DE FOIN SANS EMISSION DE POUSSIERE RESPIRABLE : PROCEDE DE PREPARATION, UTILISATION ET MACHINE ASSOCIEE**
[72] LEVAC, DANIELLE, CA
[72] GUAY, SERGE, CA
[73] NUTRI-FOIN SYSTEME INC.,
[85] 2018-06-19
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[25] EN
[54] **DEUTERATED COMPOUNDS FOR TREATING CANCER AND RELATED DISEASES AND CONDITIONS, AND COMPOSITIONS AND METHODS THEREOF**
[54] **COMPOSES DEUTERES POUR LE TRAITEMENT DU CANCER ET DE MALADIES ET TROUBLES ASSOCIES, ET COMPOSITIONS ET METHODES ASSOCIEES**
[72] CHAORAN, HUANG, US
[72] CHANGFU, CHENG, US
[73] NEUFORM PHARMACEUTICALS, INC.,
[85] 2018-06-26
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[25] EN
[54] **EAR PROTECTION DEVICE, COMMUNICATIONS SYSTEM AND PROTECTIVE HELMET**
[54] **PROTECTEUR D'OREILLES, SYSTEME DE COMMUNICATION ET CASQUE DE PROTECTION**
[72] PFANNER, ANTON, AT
[73] PFANNER SCHUTZBEKLEIDUNG GMBH,
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[25] EN
[54] **A SUPPORT ASSEMBLY FOR SUPPORTING A TILTABLE WINDOW**
[54] **ENSEMBLE SUPPORT DESTINE A SUPPORTER UNE FENETRE INCLINABLE**
[72] BRAID, HAROLD KEITH, GB
[73] CLEARVIEW INDUSTRIES LIMITED,
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[54] **BONE DUST TRAP**
[54] **PIEGE DE POUSSIERE D'OS**
[72] MOLCHANOV, RUSLAN, CA
[72] MOLCHANOVA, IRYNA, CA
[73] MOLCHANOV, RUSLAN,
[73] MOLCHANOVA, IRYNA,
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[54] **FLEXIBLE AND CONFORMAL PATCH PUMP**
[54] **POMPE PATCH SOUPLE ET CONFORME**
[72] SEARLE, GARY, US
[72] KNAPP, KEITH, US
[72] SKUTNIK, PETER, US
[72] PETRIE, AIDAN, US
[72] NELSON, DAN, US
[72] BROWN, PAUL, US
[73] BECTON, DICKINSON AND COMPANY,
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[25] EN
[54] **SYSTEM AND METHOD FOR FORMATION DETECTION AND EVALUATION**
[54] **SYSTEME ET PROCEDE PERMETTANT UNE DETECTION ET UNE EVALUATION DE FORMATION**
[72] BENSON, TODD W., US
[72] STOKELD, BRIAN EUGENE, US
[72] LOCKHART, DWIGHT A., US
[73] MOTIVE DRILLING TECHNOLOGIES, INC.,
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[13] C
[51] **Int.Cl. G01S 13/90 (2006.01)**
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[54] **SYNTHETIC APERTURE RADAR SIGNAL PROCESSING DEVICE**
[54] **DISPOSITIF DE TRAITEMENT DE SIGNAL RADAR A OUVERTURE SYNTHETIQUE**
[72] FURUTA, TETSURO, JP
[72] TAKAHASHI, KATSUMI, JP
[72] OZAKI, ATSUO, JP
[73] MITSUBISHI ELECTRIC CORPORATION,
[85] 2018-08-24
[86] 2016-03-09 (PCT/JP2016/057290)
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[25] EN
[54] **SEPARABLE HUB POST OF PEN NEEDLE**
[54] **MONTANT D'EMBOITEMENT SEPARABLE POUR AIGUILLE STYLO**
[72] HORVATH, JOSHUA, US
[72] BRIZZOLARA, JOSEPH, US
[72] HWANG, CHARLES, US
[72] BATES, JAMES, US
[72] KNAPP, KEITH, US
[73] BECTON, DICKINSON AND COMPANY,
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[25] EN
[54] **FERRITE PARTICLES, RESIN COMPOSITION AND RESIN FILM**
[54] **PARTICULES DE FERRITE, COMPOSITION DE RESINE ET FILM DE RESINE**
[72] KOJIMA, TAKASHI, JP
[72] ISHII, KAZUTAKA, JP
[72] SUGIURA, TAKAO, JP
[72] IGARASHI, TETSUYA, JP
[72] AGA, KOJI, JP
[73] POWDERTECH CO., LTD.,
[85] 2018-09-07
[86] 2017-02-22 (PCT/JP2017/006527)
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[30] JP (2016-070280) 2016-03-31

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[54] **SOLID OXIDE FUEL CELL**
[54] **PILE A COMBUSTIBLE A OXYDE SOLIDE**
[72] YAJIMA, KENTAROU, JP
[72] YANAGISAWA, MASANARI, JP
[73] NISSAN MOTOR CO., LTD.,
[85] 2018-09-10
[86] 2016-11-08 (PCT/JP2016/083030)
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[30] JP (2016-048357) 2016-03-11

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[54] **ADAPTIVE PATIENT INTERFACE**
[54] **INTERFACE DE PATIENT ADAPTATIVE**
[72] JUHASZ, TIBOR, US
[72] RAKSI, FERENC, US
[73] ALCON INC.,
[86] (3019055)
[87] (3019055)
[22] 2011-06-23
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[25] EN
[54] **NAVIGATION USING PLANNED ROBOT TRAVEL PATHS**
[54] **NAVIGATION EN UTILISANT DES TRAJETS DE DEPLACEMENT DE ROBOT PLANIFIES**
[72] WELTY, BRUCE, US
[72] POWERS, BRADLEY, US
[72] TAPPAN, ERIC, US
[73] LOCUS ROBOTICS CORP.,
[85] 2018-09-28
[86] 2017-04-01 (PCT/US2017/025650)
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[30] US (15/088,474) 2016-04-01

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[51] **Int.Cl. B61L 3/00 (2006.01) B61L 27/00 (2006.01)**
[25] EN
[54] **SPEED PROFILING FOR LOCOMOTIVE DISPLAY AND EVENT RECORDER**
[54] **PROFILAGE DE VITESSE POUR AFFICHAGE DE LOCOMOTIVE ET ENREGISTREUR D'EVENEMENTS**
[72] GOFORTH, WADE, US
[72] LEWIS, ROGER B., US
[73] NEW YORK AIR BRAKE LLC,
[85] 2018-10-18
[86] 2016-04-19 (PCT/US2016/028217)
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[51] **Int.Cl. C07D 239/34 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING AZOXYSTROBIN INTERMEDIATES**
[54] **METHODE DE PREPARATION D'INTERMEDIAIRES D'AZOXYSTROBINE**
[72] WANG, HAISHUI, CN
[72] YANG, BINGLIAN, CN
[72] XIE, SIMIAN, CN
[72] TIAN, XIAOHONG, CN
[72] XU, JIWANG, CN
[73] CAC NANTONG CHEMICAL CO., LTD,
[86] (3022388)
[87] (3022388)
[22] 2018-10-29
[30] CN (201711049390.1) 2017-10-31

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[51] **Int.Cl. H04B 7/10 (2017.01)**
[25] EN
[54] **TRANSMITTING STATION, CONTROL STATION, RECEIVING STATION, DATA TRANSMISSION SYSTEM, AND DATA TRANSMISSION METHOD**
[54] **STATION DE TRANSMISSION, STATION DE COMMANDE, STATION DE RECEPTION, SYSTEME ET PROCEDE DE TRANSPORT DE DONNEES**
[72] TANI, SHIGENORI, JP
[73] MITSUBISHI ELECTRIC CORPORATION,
[85] 2018-11-13
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[54] **TURBINE BEARING SUPPORT**
[54] **SUPPORT DE PALIER DE TURBINE**
[72] JOSHI, AKASH, IN
[72] AC, SHIVARAM, IN
[72] BURAVALLA, VIDYASHANKAR RAMASASTRY, IN
[72] GHOSH, SHUVAJYOTI, IN
[72] GANIGER, RAVINDRA SHANKAR, IN
[73] GENERAL ELECTRIC COMPANY,
[85] 2018-11-15
[86] 2017-05-23 (PCT/US2017/033910)
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[51] **Int.Cl. E21B 43/40 (2006.01) C09K 8/592 (2006.01) E21B 43/241 (2006.01) E21B 43/14 (2006.01)**
[25] EN
[54] **PROCESSING OF PRODUCED FLUIDS FROM A SUBTERANNEAN FORMATION IN A NEAR-AZEOTROPIC INJECTION PROCESS**
[54] **TRAITEMENT DE FLUIDES PRODUITS D'UNE FORMATION SOUTERRAINE DANS UN PROCEDE D'INJECTION PROCHE AZEOTROPIQUE**
[72] MOTAHHARI, HAMED R., CA
[72] KHALEDI, RAHMAN, CA
[73] IMPERIAL OIL RESOURCES LIMITED,
[86] (3026716)
[87] (3026716)
[22] 2018-12-06
[30] US (62/607073) 2017-12-18
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[25] EN
[54] **INTEGRATED APPROACH TO ENHANCE THE PERFORMANCE OF GRAVITY DRAINAGE PROCESSES**
[54] **APPROCHE INTEGREE VISANT A AMELIORER LE RENDEMENT DES PROCEDES DE DRAINAGE PAR GRAVITE**
[72] WANG, JIANLIN, CA
[73] IMPERIAL OIL RESOURCES LIMITED,
[86] (3027074)
[87] (3027074)
[22] 2018-12-11

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[51] **Int.Cl. A01B 21/08 (2006.01) A01B 23/06 (2006.01)**
[25] EN
[54] **TILLAGE IMPLEMENT**
[54] **INSTRUMENT ARATOIRE**
[72] REDEKOP, JOHAN, CA
[73] REDEKOP, JOHAN,
[86] (3027381)
[87] (3027381)
[22] 2012-01-16
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[25] EN
[54] **GENERATING A SENSORY INDICATION**
[54] **GENERATION D'UNE INDICATION SENSORIELLE**
[72] HERRINGTON, DANIEL, US
[73] CAPITAL ONE SERVICES, LLC,
[86] (3029736)
[87] (3029736)
[22] 2019-01-11
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[51] **Int.Cl. E21B 43/241 (2006.01) C09K 8/592 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR START-UP OF SOLVENT-BASED PETROLEUM EXTRACTION OPERATIONS**
[54] **METHODES ET SYSTEMES DE DEMARRAGE D'OPERATIONS D'EXTRACTION DE PETROLE FONDES SUR UN SOLVANT**
[72] KHALEDI, RAHMAN, CA
[72] DADGOSTAR, NAFISEH, CA
[72] MOTAHHARI, HAMED R., CA
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY,
[86] (3032169)
[87] (3032169)
[22] 2019-01-31

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[51] **Int.Cl. E21B 47/16 (2006.01)**
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[54] **DUAL TRANSDUCER COMMUNICATIONS NODE FOR DOWNHOLE ACOUSTIC WIRELESS NETWORKS AND METHOD EMPLOYING SAME**
[54] **N□UD DE COMMUNICATION A DOUBLE TRANSDUCTEUR POUR RESEAUX SANS FIL ACOUSTIQUES DE FOND DE TROU ET PROCEDE UTILISANT CE DERNIER**
[72] SONG, LIMIN, US
[72] ZHANG, YIBING, US
[72] WALKER, KATIE M., US
[72] WOLF, HENRY ALAN, US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY,
[85] 2019-02-07
[86] 2017-08-01 (PCT/US2017/044931)
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[51] **Int.Cl. F41A 9/61 (2006.01) F41A 17/46 (2006.01)**
[25] EN
[54] **SAFETY MECHANISM FOR FIREARMS**
[54] **MECANISME DE SECURITE POUR ARMES A FEU**
[72] BIRAN, DANIEL, IL
[72] KOTZER, OMER, IL
[73] CLIPFORT, LTD.,
[85] 2019-03-06
[86] 2017-09-07 (PCT/IB2017/055382)
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[25] EN
[54] **OPTIMIZATION OF CYCLIC SOLVENT PROCESSES**
[54] **OPTIMISATION DE PROCEDES DE SOLVANTS CYCLIQUES**
[72] SILVA, CORY, US
[72] FANG, CHEN, US
[72] WANG, JIANLIN, CA
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY,
[73] IMPERIAL OIL RESOURCES LIMITED,
[86] (3036171)
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[54] **INTEGRATED SURVEILLANCE SYSTEM FOR CYCLIC SOLVENT DOMINATED PROCESSES**
[54] **SYSTEME DE SURVEILLANCE INTEGREE DESTINE A DES PROCEDES CYCLIQUES DOMINES PAR UN SOLVANT**
[72] WANG, JIANLIN, CA
[72] SUITOR, MATHEW D., CA
[72] DONG, LU, CA
[72] DADGOSTAR, NAFISEH, CA
[72] MACISAAC, GORDON D., CA
[73] IMPERIAL OIL RESOURCES LIMITED,
[86] (3037410)
[87] (3037410)
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[51] **Int.Cl. B08B 3/08 (2006.01) B01F 1/00 (2006.01) C09K 8/528 (2006.01) C09K 13/00 (2006.01) E21B 37/06 (2006.01)**
[25] EN
[54] **PROCESS AND COMPOSITION FOR REMOVING METAL SULFIDES**
[54] **PROCEDE ET COMPOSITION POUR ELIMINER DES SULFURES METALLIQUES**
[72] GUPTA, D.V. SATYANARAYANA, US
[72] BERRY, SANDRA L., US
[72] NINO-PENALOZA, ANDREA, US
[72] MCCARTNEY, ELIZABETH, US
[72] RAMACHANDRAN, SUNDER, US
[72] MENENDEZ, CARLOS M., US
[73] BAKER HUGHES, A GE COMPANY, LLC,
[85] 2019-03-21
[86] 2017-09-26 (PCT/US2017/053384)
[87] (WO2018/058089)
[30] US (62/399,778) 2016-09-26

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[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS OF 5-HT6 ANTAGONIST**
[54] **COMPOSITIONS PHARMACEUTIQUES D'ANTAGONISTE DE 5-HT6**
[72] NIROGI, RAMAKRISHNA, IN
[72] MUDIGONDA, KOTESHWARA, IN
[72] DOGIPARTI, DHANUNJAY KUMAR, IN
[72] JASTI, VENKATESWARLU, IN
[73] SUVEN LIFE SCIENCES LIMITED,
[85] 2019-03-27
[86] 2017-09-29 (PCT/IB2017/056009)
[87] (WO2018/065869)
[30] IN (201641033741) 2016-10-03

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[51] **Int.Cl. E21B 33/06 (2006.01) E21B 19/08 (2006.01) E21B 33/068 (2006.01)**
[25] EN
[54] **WELL PIPE GUIDE ASSEMBLY AND METHOD FOR USING THE SAME**
[54] **ENSEMBLE DE GUIDE TUYAU DE PUITS ET METHODE D'UTILISATION ASSOCIEE**
[72] LE VANN, BRIAN EDWARD, US
[72] BYRA, STEVEN MICHAEL, US
[72] MCKENDREE FULKS, CALEB EVERETT, US
[73] SUN ENERGY SERVICES, LLC,
[73] CONSOLIDATED RIG WORKS, LP,
[86] (3041687)
[87] (3041687)
[22] 2019-04-30
[30] US (16/111,944) 2018-08-24

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[51] **Int.Cl. A01C 15/04 (2006.01) A01C 7/20 (2006.01) A01C 15/18 (2006.01)**
[25] EN
[54] **AIR BOOM SPREADER FOR AGRICULTURAL PRODUCT**
[54] **EPANDEUSE A MAT PNEUMATIQUE DESTINEE A UN PRODUIT AGRICOLE**
[72] GRAY, GEOF J., CA
[72] AVERINK, JOHN MARK, CA
[72] BAKER, BRADLEY WILLIAM, CA
[72] DYCK, JESSE ABRAM, CA
[72] PASMA, CHAD DEREK, CA
[72] LEHMAN, ADAM PETER, CA
[73] SALFORD GROUP INC.,
[85] 2019-08-22
[86] 2019-01-17 (PCT/CA2019/050064)
[87] (3042330)
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[51] **Int.Cl. H04N 19/159 (2014.01) H04N 19/117 (2014.01) H04N 19/176 (2014.01) H04N 19/52 (2014.01) H04N 19/80 (2014.01)**
[25] EN
[54] **ADAPTIVE FILTERING BASED UPON BOUNDARY STRENGTH**
[54] **SYSTEME DE CODAGE D'IMAGE BASE SUR LA FORCE DE LIMITE**
[72] SUN, SHIJUN, US
[72] LEI, SHAWMIN, US
[72] KATATA, HIROYUKI, JP
[73] DOLBY INTERNATIONAL AB,
[86] (3044017)
[87] (3044017)
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[25] EN
[54] **LOGGING-WHILE-DRILLING SPECTRAL AND AZIMUTHAL GAMMA RAY APPARATUS AND METHODS**
[54] **APPAREIL ET PROCEDES A RAYONS GAMMA SPECTRAL ET AZIMUTAL DE DIAGRAPHIE EN COURS DE FORAGE**
[72] MICKAEL, MEDHAT, US
[73] SCIENTIFIC DRILLING INTERNATIONAL, INC.,
[85] 2019-05-30
[86] 2017-12-27 (PCT/US2017/068536)
[87] (WO2018/125918)
[30] US (62/439,919) 2016-12-29

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[51] **Int.Cl. E05B 83/36 (2014.01) B60J 5/00 (2006.01) E05F 3/22 (2006.01)**
[25] EN
[54] **IMPROVED DOOR CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE PORTIERE AMELIORE**
[72] MIU, TRAIAN, CA
[72] ENGLISH, MITCHELL, CA
[72] BANJONGPANITH, PASIT, CA
[72] BROADHEAD, DOUGLAS, CA
[73] WARREN INDUSTRIES LTD.,
[85] 2019-06-03
[86] 2017-12-01 (PCT/CA2017/051455)
[87] (WO2018/098594)
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[51] **Int.Cl. F28D 19/04 (2006.01) F23L 15/02 (2006.01) F24F 12/00 (2006.01) F24F 13/30 (2006.01)**
[25] EN
[54] **HEAT RECOVERY UNIT**
[54] **UNITE DE RECUPERATION DE CHALEUR**
[72] STENGLER, MATTHEW, CA
[72] LAPAIRE, ANDREW, CA
[73] INLINE HEAT RECOVERY INC.,
[86] (3050503)
[87] (3050503)
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[25] EN
[54] **PLUG HEAD ASSEMBLIES**
[54] **ENSEMBLES DE TETES DE SOUPAPE**
[72] ROBISON, JEFFREY C., US
[72] MOCK, ROBERT, US
[72] REDD, FRANK, US
[73] CALDERA ENGINEERING, L.C.,
[86] (3050558)
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[51] **Int.Cl. B60L 5/00 (2006.01) H02J 50/10 (2016.01) H01F 38/14 (2006.01)**
[25] EN
[54] **VEHICLE-MOUNTING STRUCTURE FOR CONTACTLESS POWER RECEPTION DEVICE**
[54] **STRUCTURE DE MONTAGE SUR VEHICULE POUR DISPOSITIF DE RECEPTION D'ENERGIE SANS CONTACT**
[72] ASAI, AKIHIRO, JP
[73] NISSAN MOTOR CO., LTD.,
[85] 2019-07-26
[86] 2017-01-30 (PCT/JP2017/003149)
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[25] EN
[54] **HYDROPONIC NUTRIENT AERATION AND FLOW CONTROL DEVICE AND SYSTEM**
[54] **DISPOSITIF D'AERATION ET DE CONTROLE DE FLUX DE NUTRIMENT HYDROPONIQUE ET SYSTEME**
[72] CAMPAU, DANIEL N., US
[72] HERREMA, MARK W., US
[73] FLOW-RITE CONTROLS, LTD.,
[85] 2019-08-22
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[87] (3052926)
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[54] **TROCAR SUPPORT**
[54] **SUPPORT DE TROCART**
[72] PACAK, JOHN S., CA
[72] DIAMOND, HEATHER D., CA
[72] MULDOON, DAMIAN R., IE
[72] WARD, SHANE G., IE
[72] MURPHY, BRIAN F., IE
[72] CANNON, WILLIAM J., IE
[72] KEAVENEY, LUKE P., IE
[73] SURGICAL STABILIZATION TECHNOLOGIES INC.,
[86] (3055014)
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[25] EN
[54] **CONVEYOR SYSTEM THAT SENSES AND SEPARATES PRODUCT**
[54] **SYSTEME DE TRANSPORT QUI DETECTE ET SEPARE UN PRODUIT**
[72] TAYLOR, ROBERT JAMES, US
[72] BELLAR, JASON, US
[72] CRECELIUS, JOHN, US
[72] PROPES, WILLIAM M., US
[72] ALEXANDER, MATTHEW DAVID, US
[73] WALMART APOLLO, LLC,
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[54] **SOFT ROBOT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE SE RAPPORTANT A UN ROBOT SOUPLE**
[72] VYAS, ANISHA, US
[73] UNIVERSAL CITY STUDIOS LLC,
[85] 2019-09-18
[86] 2018-03-23 (PCT/US2018/024105)
[87] (WO2018/183121)
[30] US (62/476,756) 2017-03-25

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[51] **Int.Cl. C08L 21/00 (2006.01) C08K 5/11 (2006.01) C08K 5/1515 (2006.01) C08K 5/29 (2006.01) C08K 5/35 (2006.01) C08K 5/42 (2006.01) E21B 23/00 (2006.01)**
[25] EN
[54] **RUBBER COMPOSITION FOR DOWNHOLE TOOLS AND MEMBER FOR DOWNHOLE TOOLS**
[54] **COMPOSITION DE GOMME POUR OUTILS DE FORAGE ET ELEMENT POUR OUTILS DE FORAGE**
[72] KOBAYASHI, FUMINORI, JP
[72] KOBAYASHI, TAKUMA, JP
[72] SAIJO, HIKARU, JP
[73] KUREHA CORPORATION,
[85] 2019-09-23
[86] 2018-03-22 (PCT/JP2018/011365)
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[30] JP (2017-103910) 2017-05-25

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[51] **Int.Cl. B63C 9/08 (2006.01) G08B 21/08 (2006.01) H04N 9/31 (2006.01)**
[25] EN
[54] **FIXTURE**
[54] **DISPOSITIF DE FIXATION**
[72] STATON, FIELDING B., US
[72] STRUMPF, DAVID, US
[73] NEWTONOID TECHNOLOGIES, L.L.C.,
[85] 2019-09-27
[86] 2018-03-28 (PCT/US2018/024963)
[87] (WO2018/183576)
[30] US (62/477,655) 2017-03-28

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[13] C
[51] **Int.Cl. A61K 33/00 (2006.01) B01D 46/00 (2006.01) B01D 53/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A COOLED NITRIC OXIDE GENERATOR**
[54] **SYSTEMES ET PROCEDES POUR UN GENERATEUR D'OXYDE NITRIQUE REFROIDI**
[72] ZAPOL, WARREN, US
[72] YU, BINGLAN, US
[73] THE GENERAL HOSPITAL CORPORATION,
[85] 2019-09-27
[86] 2018-03-30 (PCT/US2018/025353)
[87] (WO2018/183811)
[30] US (62/480,320) 2017-03-31
[30] US (62/558,882) 2017-09-15

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[51] **Int.Cl. G05B 19/19 (2006.01) B23C 3/00 (2006.01) B23C 9/00 (2006.01) B23Q 15/22 (2006.01) G05B 19/18 (2006.01) G05B 19/402 (2006.01) G05B 19/4093 (2006.01)**
[25] EN
[54] **SELF RECOGNITION CNC MACHINING**
[54] **USINAGE A COMMANDE NUMERIQUE A RECONNAISSANCE AUTOMATIQUE**
[72] WHITE, DAVID ROSS, US
[72] DICKEY, JASON ADAM, US
[73] THE NORDAM GROUP LLC,
[85] 2019-10-16
[86] 2018-04-12 (PCT/US2018/027220)
[87] (WO2018/194901)
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[25] EN
[54] **ANNULAR MOTION SIMULATION AMUSEMENT PARK ATTRACTION**
[54] **ATTRACTION DE PARC D'ATTRACTIONS DE SIMULATION D'UN MOUVEMENT ANNULAIRE**
[72] FREEDMAN, DANIEL MATTHEW, US
[72] WHITE, NATHANAEL GORDON, US
[72] STENZLER, PAULA, US
[73] UNIVERSAL CITY STUDIOS LLC,
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[86] 2018-04-23 (PCT/US2018/028931)
[87] (WO2018/200405)
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[54] **SEATED MOTION SIMULATION AMUSEMENT PARK ATTRACTION**
[54] **ATTRACTION ASSISE DE PARC D'ATTRACTIONS A SIMULATION DE MOUVEMENT**
[72] WHITE, NATHANAEL G., US
[72] VAN WINKLE, TED W., US
[72] FREEDMAN, DANIEL, US
[72] SCHWARTZ, JUSTIN MICHAEL, US
[72] SOUTH, DWAIN, US
[72] TRESAUGUE, MICHAEL, US
[72] HALL, GREGORY, US
[73] UNIVERSAL CITY STUDIOS LLC,
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[54] **SINGULATING METER FEEDING MULTIPLE FURROW OPENERS**
[54] **METRE MONO REGLEUR ALIMENTANT DE MULTIPLES ORGANES OUVREURS**
[72] COWAN, RYAN, CA
[72] JAGOW, SCOT, CA
[71] BOURGAULT INDUSTRIES LTD., CA
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[25] EN
[54] **OPTICAL FIBER WITH CLADDING-EMBEDDED LIGHT-CONVERGING STRUCTURE FOR LATERAL OPTICAL COUPLING**
[54] **FIBRE OPTIQUE AYANT UNE STRUCTURE DE CONVERGENCE DE LUMIERE A GAINE INTEGREE POUR LE COUPLAGE OPTIQUE LATERAL**
[72] PAQUET, ALEX, CA
[72] SISTO, MARCO MICHELE, CA
[72] TAILLON, YVES, CA
[71] INSTITUT NATIONAL D'OPTIQUE, CA
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[54] **AN APPARATUS FOR GRIPPING HAIR AND USE THEREOF**
[54] **APPAREIL DE PREHENSION DE CHEVEUX ET UTILISATION CONNEXE**
[72] SPATARO, DOMENIC N., CA
[71] SPATARO, DOMENIC N., CA
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[54] **SMART TAG/CARD PATENT REQUEST**
[54] **DEMANDE DE BREVET POUR UNE CARTE/ETIQUETTE INTELLIGENTE**
[72] UNKNOWN, XX
[71] FOCAL AUTOMATION INC., CA
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[54] **FISHING LURE WITH ROTATABLE FINS**
[54] **LEURRE DE PECHE A NAGEOIRES ROTATIVES**
[72] BAZINET, NORMAN L., CA
[71] BAZINET, NORMAN L., CA
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[54] **AMBULATORY ASSISTANCE APPARATUS ADAPTABLE FOR A STAIRCASE**
[54] **APPAREIL D`AIDE A LA MARCHE POUVANT ETRE ADAPTE A UN ESCALIER**
[72] BRODIE, MARK, US
[72] SIGSWORTH, JOSHUA, US
[72] GRINGRAS, MATTHEW, US
[71] BRODIE, MARK, US
[71] SIGSWORTH, JOSHUA, US
[71] GRINGRAS, MATTHEW, US
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[54] **HARDENED VOIP SYSTEM**
[54] **SYSTEME VOIP PROTEGE**
[72] BOCKRATH, PHILIP B., US
[72] CURTIS, DARRYL G., US
[71] CLEVER DEVICES LTD., US
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[25] EN
[54] **METHODS AND SYSTEMS FOR AUTOMATED SEQUENCE DETERMINATION USING PATTERN-DIRECTED ALIGNED PATTERN CLUSTERING**
[54] **METHODES ET SYSTEMES DE DETERMINATION DE SEQUENCE AUTOMATISEE AU MOYEN DE REGROUPEMENT DE COMPOSITIONS ALIGNE AXE SUR LES COMPOSITIONS**
[72] WONG, ANDREW K. C., CA
[72] SZE-TO, HO YIN, CA
[71] WONG, ANDREW K. C., CA
[71] SZE-TO, HO YIN, CA
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[54] **APPARATUS AND METHOD OF OPERATION OF A SAMPLE INTRODUCTION SYSTEM TO A CHEMICAL ANALYZER**
[54] **APPAREIL ET METHODE D`UTILISATION D`UN SYSTEME D`INTRODUCTION D`UN ECHANTILLON DANS UN ANALYSEUR CHIMIQUE**
[72] BEMWELL, SIMON, CA
[72] WYLDE, JAMES, CA
[71] GREENLIGHT ANALYTICAL, CA
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[54] **CANNABIS VAPE OIL, METHOD OF USE AND OF MAKING SAME**
[54] **HUILE DE CANNABIS POUR VAPOTAGE ET METHODE D`UTILISATION ET DE FABRICATION**
[72] MORRIS, SHANE H., CA
[72] WOODS, PATRICK, CA
[72] ALSAYAR, MAX, CA
[71] HEXO OPERATIONS INC., CA
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[54] **GAITER FOR FOOT GARMENT**
[54] **GUETRE POUR ARTICLE CHAUSSANT**
[72] ABRAN, DIANE, CA
[71] DA NOVA SOLUTIONS INC., CA
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[25] EN
[54] **THE NEPTURNE UNIVERSAL SEPARATOR SYSTEM AND METHOD**
[54] **SYSTEME UNIVERSEL DE SEPARATION NEPTUNE ET METHODE**
[72] STANG, PETER A., CA
[71] STANG, PETER A., CA
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[54] **SYSTEM AND METHOD FOR REAL-TIME PASSIVE SEISMIC EVENT LOCALIZATION**
[54] **SYSTEME ET METHODE POUR LA LOCALISATION PASSIVE EN TEMPS REEL D`UN EVENEMENT SISMIQUE**
[72] LI, ZHENHUA, CA
[72] VAN DER BAAN, MIRKO, CA
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
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[25] EN
[54] **BARRIER FILM COMPOSITION**
[54] **COMPOSITION DE FILM BARRIERE**
[72] WASYLENKO, DEREK, CA
[72] LIGHTBODY, OWEN, CA
[72] TIKUISIS, TONY, CA
[72] CHISHOLM, P. SCOTT, CA
[71] NOVA CHEMICALS CORPORATION, CA
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[25] EN
[54] **PRE-FORMED SMOKING PAPER AND PACKAGING**
[54] **PAPIER A CIGARETTES PREFORME ET EMBALLAGE**
[72] SENKYIRE, EDWARD, CA
[71] SENKYIRE, EDWARD, CA
[22] 2018-11-15
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[54] **BUILDING SYSTEM**
[54] **SYSTEME DE CONSTRUCTION**
[72] LONGO, FRANCESCO, CA
[71] LONGO, FRANCESCO, CA
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[25] EN
[54] **SUBMERGED BIOREFINERY CHAMBER FOR LARGE SCALE TAILNGS PONDS**
[54] **CHAMBRE DE BIORAFFINAGE SUBMERGEE POUR GRANDS BASSINS DE RESIDUS**
[72] MOTTAHEDEH, SOHEYL, CA
[72] WILSON, KEVIN, XX
[72] WILSON, KEVIN, CA
[71] MOTTAHEDEH, SOHEYL, CA
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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/903 (2019.01)**
[25] EN
[54] **EXPLAINING SEMANTIC SEARCH**
[54] **EXPLICATION DE LA RECHERCHE SEMANTIQUE**
[72] DONALDSON, ROGER D., CA
[72] LANCASTER, GREGORY K., CA
[71] GALIANO MEDICAL SOLUTIONS INC., CA
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[21] **3,024,306**
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[51] **Int.Cl. B60P 7/02 (2006.01)**
[25] EN
[54] **AN ADJUSTABLE FIXTURE USED FOR A COVER PLATE OF A PICKUP TRUCK**
[54] **APPAREIL DE FIXATION AJUSTABLE POUR UN PANNEAU DE COUVERCLE DE CAMIONNETTE**
[72] CHEN, WEIZHEN, CN
[71] NINGBO MOTORMAN E-COMMERCE CO., LTD., CN
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[51] **Int.Cl. E21B 33/13 (2006.01) E21B 33/138 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PLUGGING WELLBORE ANNULUS**
[54] **METHODE ET APPAREIL POUR BOUCHER UNE CHAMBRE ANNULAIRE D`UN TROU DE FORAGE**
[72] JAMES, ROBIN, CA
[72] NEALON, JOEL, CA
[71] RJ TECHNICAL, CA
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[51] **Int.Cl. A61J 1/20 (2006.01) A61J 1/14 (2006.01)**
[25] EN
[54] **FLUID TRANSFER APPARATUS**
[54] **APPAREIL DE TRANSFERT DE FLUIDE**
[72] HAMEL, SIMON, CA
[72] LAFONTAINE LACASSE, MARIE, CA
[71] DUOJECT MEDICAL SYSTEMS INC., CA
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[54] **SYSTEMS AND METHODS OF PROCESSING TRANSACTION DATA**
[54] **SYSTEMES ET METHODES DE TRAITEMENT DE DONNEES DE TRANSACTION**
[72] ISMAIL, USMAN, CA
[72] DUEZ, MARC, CA
[71] WEALTHSIMPLE INC., CA
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[25] EN
[54] **TOPICAL COSMETIC FORMULATION DERIVED FROM BREADFRUIT**
[54] **FORMULATION COSMETIQUE TOPIQUE DERIVEE D`UN FRUIT A PAIN**
[72] WHITNELL, KENNA, CA
[71] WHITNELL, KENNA, CA
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[30] US (62/767170) 2018-11-14

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[51] **Int.Cl. F16H 1/28 (2006.01)**
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[54] **AREL 5 MULTIPLIER**
[54] **MULTIPLICATEUR AREL 5**
[72] AREL, RICHARD, CA
[71] AREL, RICHARD, CA
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[54] **PORTAGE BOAT CART**
[54] **CHARIOT DE PORTAGE POUR BATEAU**
[72] MCCONNELL, WAYNE D., CA
[71] MCCONNELL, WAYNE D., CA
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[54] **STUMP CUTTER**
[54] **DESSOUCHEUSE**
[72] DAINING, STEPHEN, US
[72] GREENAWALT, MATTHEW DAVID, US
[72] TOUBEKIS, GEORGE DANNY, US
[71] VERMEER MANUFACTURING COMPANY, US
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[54] **LIVE PLANT CONTAINER**
[54] **CONTENANT POUR PLANTE VIVANTE**
[72] HUANG, JERRY J.L., CA
[71] FV CANNA, CA
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[54] **CAR URINATING KIT**
[54] **TROUSSE POUR URINER DANS UNE VOITURE**
[72] PATTERSON, MICHAEL ROY, CA
[71] PATTERSON, MICHAEL ROY, CA
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[25] EN
[54] **METHOD OF DETERMINING LOCOMOTIVE POSITION BY TRIANGULATION**
[54] **METHODE DE DETERMINATION D`UNE POSITION DE LOCOMOTIVE PAR TRIANGULATION**
[72] STAATS, ANDREW RYAN, US
[72] BARR, STUART JOHN, US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
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[54] **IMAGE BASED TRAIN LENGTH DETERMINATION**
[54] **DETERMINATION DE LA LONGUEUR D`UN TRAIN EN FONCTION D`IMAGES**
[72] OSWALD, JAMES A., US
[72] HENNIGES, BENJAMIN L., US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
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[25] EN
[54] **METHODS FOR CONSTRUCTING TENSIONLESS CONCRETE PIER FOUNDATIONS AND FOUNDATIONS CONSTRUCTED THEREBY**
[54] **METHODES DE CONSTRUCTION DE FONDATIONS SANS TENSION DE PILIERS EN BETON ET FONDATIONS CONSTRUITES SELON CES METHODES**
[72] HENDERSON, ALLAN P., US
[71] TERRACON CONSULTANTS, INC., US
[22] 2019-07-25
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[30] US (62/760.433) 2018-11-13
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[25] EN
[54] **GAS SUPPLY ASSEMBLY FOR AIRCRAFT DOOR ACTUATOR AND EVACUATION SYSTEM**
[54] **ENSEMBLE D`ALIMENTATION EN GAZ POUR UN ACTIONNEUR DE PORTE D`AERONEF ET UN SYSTEME D`EVACUATION**
[72] BERGONNIER, HELENE, FR
[72] SEMINEL, BRUNO, FR
[71] RATIER-FIGEAC SAS, FR
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[25] EN
[54] **METHOD OF FABRICATING FLEXIBLE PRESSURE SENSOR**
[54] **METHODE DE FABRICATION D`UN CAPTEUR DE PRESSION SOUPLE**
[72] AHAMED, MOHAMMED JALAL, CA
[72] RONDEAU-GAGNE, SIMON, CA
[72] PIGNANELLI, JULIA, CA
[72] CARMICHAEL, TRICIA BREEN, CA
[71] UNIVERSITY OF WINDSOR, CA
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[25] EN
[54] **COMPRESSOR DIFFUSER WITH PLASMA ACTUATORS**
[54] **DIFFUSEUR DE COMPRESSEUR AVEC ACTIONNEURS PLASMA**
[72] DROLET, MARTIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[25] EN
[54] **SYSTEM AND METHOD FOR LAMINATING A COMPOSITE LAMINATE ALONG A CONTINUOUSLOOP LAMINATION PATH**
[54] **SYSTEME ET PROCEDE POUR STRATIFIER UN STRATIFIE COMPOSITE LE LONG D`UN CHEMIN DE STRATIFICATION EN BOUCLE CONTINUE**
[72] SHAW, PAUL D., US
[72] KENDALL, JAMES R., US
[72] SURIYAARACHCHI, RAVIENDRA S., US
[71] THE BOEING COMPANY, US
[22] 2019-08-29
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[51] **Int.Cl. B64C 13/22 (2006.01) B64C 13/08 (2006.01)**
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[54] **TRIM CONTROL SYSTEM**
[54] **SYSTEME DE COMPENSATION**
[72] MEDINA, RAPHAEL, FR
[71] GOODRICH ACTUATION SYSTEMS SAS, FR
[22] 2019-09-03
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[54] **RING ASSEMBLY FOR DOUBLE-SKIN COMBUSTOR LINER**
[54] **BAGUE POUR CHEMISE DE CHAMBRE DE COMBUSTION A DOUBLE PAROI**
[72] HU, TIN-CHEUNG JOHN, CA
[72] BEDRANI, NASSIM, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[25] EN
[54] **TRENCH DETECTION SYSTEM FOR AN AGRICULTURAL IMPLEMENT**
[54] **SYSTEME DE DETECTION DE JAUGE POUR APPAREIL AGRICOLE**
[72] SCHOENY, CHRISTOPHER, US
[72] STANHOPE, TREVOR, US
[71] CNH INDUSTRIAL AMERICA LLC, US
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[54] **AUTHENTIFICATION A FACTEURS MULTIPLES POUR VEHICULES**
[72] GATTU, BALASUBRAHMANYAM, CA
[72] GRUNOW, BRYAN NELSON, CA
[72] COFFIN, TYLER, CA
[72] HIGGS, MICHAEL JOHN, CA
[71] BLACKBERRY LIMITED, CA
[22] 2019-09-25
[41] 2020-05-13
[30] US (16/189,438) 2018-11-13

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[25] EN
[54] **MICROSCALE DISTRIBUTED ENERGY COGENERATION METHOD AND SYSTEM**
[54] **METHODE ET SYSTEME DE COGENERATION D`ENERGIE DISTRIBUEE A MICROECHELLE**
[72] DEL CAMPO, OSVALDO, AR
[71] GALILEO TECHNOLOGIES CORPORATION, US
[22] 2019-10-01
[41] 2020-05-13
[30] US (16190062) 2018-11-13

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[25] EN
[54] **FLEXIBLE AUGER WRAPPER LINER FOR A CROP CONVEYING AUGER**
[54] **EMBALLAGE ET DOUBLURE SOUPLES POUR UNE VIS SANS FIN DE TRANSPORT DE RECOLTE**
[72] WILLIAMS, NICHOLAS H., US
[72] MOSEL, DANE AUSTIN, US
[71] AGCO CORPORATION, US
[22] 2019-10-02
[41] 2020-05-16
[30] US (62/768,238) 2018-11-16

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[25] EN
[54] **MEDICAL USER INTERFACE**
[54] **INTERFACE UTILISATEUR MEDICALE**
[72] SHTIRBERG, ILLYA, IL
[72] COHEN, ASSAF, IL
[72] ZIGELMAN, GIL, IL
[72] GALKIN, MAXIM, IL
[72] ILAN, IDO, IL
[71] BIOSENCE WEBSTER (ISRAEL), LTD., IL
[22] 2019-10-03
[41] 2020-05-13
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[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
[71] TAKEHIRO CO., LTD., JP
[22] 2019-10-07
[41] 2020-05-12
[30] JP (2018-212306) 2018-11-12

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[13] A1
[51] **Int.Cl. A01G 9/20 (2006.01) F21K 9/00 (2016.01) F21S 4/28 (2016.01) F21S 2/00 (2016.01)**
[25] EN
[54] **MODULAR LIGHTING FOR HORTICULTURAL APPLICATIONS**
[54] **ECLAIRAGE MODULAIRE POUR DES APPLICATIONS HORTICOLES**
[72] BREZA, EMIL V., CA
[72] SAMARDZIJA, ZORAN, CA
[71] AGRICULTRA ADVANCEMENTS INC., CA
[22] 2019-10-07
[41] 2020-05-13
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[25] EN
[54] **IMPLANTS SUITABLE FOR SOFT TISSUE REPAIR**
[54] **IMPLANTS PROPICES A LA REPARATION DE TISSUS MOUS**
[72] SIMONS, DAMIEN, FR
[72] BECHIR, NIZAR, FR
[72] GUERIN, GAETAN, FR
[71] SOFRADIM PRODUCTION, FR
[22] 2019-10-10
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[25] EN
[54] **METHOD AND INSTALLATION FOR STORING AND DISPENSING LIQUEFIED HYDROGEN**
[54] **METHODE ET INSTALLATION DE STOCKAGE ET DE DISTRIBUTION D`HYDROGENE LIQUEFIE**
[72] BERNHARDT, JEAN-MARC, FR
[72] LAGOUTTE, FRANCOIS, FR
[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[22] 2019-10-09
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[25] EN
[54] **QUICK-CHANGE COUPLER DEVICE AND QUICK-CHANGE COUPLER SYSTEM COMPRISING SAID QUICK-CHANGE COUPLER DEVICE**
[54] **DISPOSITIF DE COUPLAGE A CHANGEMENT RAPIDE ET SYSTEME COMPRENANT LEDIT DISPOSITIF**
[72] SCHMID, SEBASTIAN, DE
[71] OILQUICK DEUTSCHLAND GMBH, DE
[22] 2019-10-11
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[54] **AIRCRAFT FLOOR STRUCTURE**
[54] **STRUCTURE DE PLANCHER D`AERONEF**
[72] COLUNI, ANGELO, CA
[71] C SERIES AIRCRAFT LIMITED PARTNERSHIP, CA
[22] 2019-10-11
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[25] EN
[54] **IMPROVED EXPANDER FOR EXPANDING METAL PIPES**
[54] **EXTENSEUR AMELIORE POUR AGRANDIR DES TUYAUX EN METAL**
[72] CERLIANI, DANIELE, IT
[71] CEBI HI-TECH S.R.L., IT
[22] 2019-10-21
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[25] FR
[54] **PROCESS FOR DETERMINING AN INDUCTION FACTOR FOR A WIND TURBINE EQUIPPED WITH A LASER REMOTE SENSOR**
[54] **PROCEDE DE DETERMINATION D'UN FACTEUR D'INDUCTION POUR UNE EOLIENNE EQUIPEE D'UN CAPTEUR DE TELEDETECTION PAR LASER**
[72] NGUYEN, HOAI-NAM, FR
[72] GUILLEMIN, FABRICE, FR
[71] IFP ENERGIES NOUVELLES, FR
[22] 2019-10-21
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[25] EN
[54] **THRUST CONTROL ASSEMBLY**
[54] **ENSEMBLE DE COMMANDE DE LA POUSSEE**
[72] ANTRAYGUE, CEDRIC, FR
[71] RATIER-FIGEAC SAS, FR
[22] 2019-10-21
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[25] EN
[54] **FIREWOOD STACK RETAINER**
[54] **DISPOSITIF DE RETENUE D`UNE PILE DE BOIS DE CHAUFFAGE**
[72] THERIAULT, MARIO, CA
[71] THERIAULT, MARIO, CA
[22] 2019-10-23
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[25] EN
[54] **METHOD FOR MANUFACTURING A MULTI-RIBBED WING BOX MADE OF COMPOSITE MATERIAL WITH INTEGRATED STIFFENED PANELS**
[54] **METHODE DE FABRICATION DE CAISSON DE VOILURE A NERVURES MULTIPLES DANS UN MATERIAU COMPOSITE ET PANNEAUX RAIDES INTEGRES**
[72] IAGULLI, GIANNI, IT
[72] RAFFONE, MARCO, IT
[72] RUSSOLILLO, ALBERTO, IT
[72] NANULA, TOMMASO, IT
[72] TOTARO, GIUSEPPE, IT
[71] LEONARDO S.P.A., IT
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[25] EN
[54] **TOMATO HYBRID DRTX0018 AND PARENTS THEREOF**
[54] **TOMATE HYBRIDE DRTX0018 ET PARENTS**
[72] PETERSEN, STINE, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[22] 2019-10-25
[41] 2020-05-16
[30] US (16/193,554) 2018-11-16

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[25] EN
[54] **VARIETY CORN LINE GAN1005**
[54] **LIGNEE D`UNE VARIETE DE MAIS GAN1005**
[72] DE DREU, ADRIAN JAN, CA
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2019-10-29
[41] 2020-05-13
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[25] EN
[54] **EXPLAINING SEMANTIC SEARCH**
[54] **EXPLICATION DE LA RECHERCHE SEMANTIQUE**
[72] DONALDSON, ROGER D., CA
[72] LANCASTER, GREGORY K., CA
[71] GALIANO MEDICAL SOLUTIONS INC., CA
[22] 2019-10-28
[41] 2020-05-15
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[25] EN
[54] **ADJUSTABLE INSERT SYSTEM FOR WALL-MOUNTED ENCLOSURES**
[54] **SYSTEME D`INSERTION POUR DES ENCEINTES A MONTAGE MURAL**
[72] PETO, ANTHONY CHARLES, US
[72] MOORE, RYAN, US
[72] LIPKE, DEAN, US
[72] SEGER, JOHN, US
[71] LEVITON MANUFACTURING CO., INC., US
[22] 2019-10-29
[41] 2020-05-13
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[25] EN
[54] **VARIETY CORN LINE IID5127**
[54] **LIGNEE D`UNE VARIETE DE MAIS IID5127**
[72] PINNISCH, RUSSEL, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2019-10-29
[41] 2020-05-13
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[25] EN
[54] **VARIETY CORN LINE IDI4138**
[54] **LIGNEE D`UNE VARIETE DE MAIS IDI4138**
[72] DELZER, BRENT, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2019-10-29
[41] 2020-05-13
[30] US (16/188370) 2018-11-13

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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)**
[25] EN
[54] **VARIETY CORN LINE IID3133**
[54] **LIGNEE D`UNE VARIETE DE MAIS IID3133**
[72] DELZER, BRENT, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2019-10-29
[41] 2020-05-13
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[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) 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)**
[25] EN
[54] **VARIETY CORN LINE IIJ5045**
[54] **LIGNEE D`UNE VARIETE DE MAIS IIJ5045**
[72] PINNISCH, RUSSEL, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2019-10-29
[41] 2020-05-13
[30] US (16/188400) 2018-11-13

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[51] **Int.Cl. B62D 21/20 (2006.01) B62D 21/02 (2006.01) B62D 65/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ATTACHING CROSSMEMBERS TO A PAIR OF FLANGED BEAMS**
[54] **METHODE ET APPAREIL POUR FIXER DES PIECES TRANSVERSALES A UNE PAIRE DE POUTRELLES**
[72] WHITEHEAD, JERALD M., US
[72] SWANSTROM, TODD H., US
[71] WESTERN TRAILER CO., US
[22] 2019-10-31
[41] 2020-05-13
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[13] A1
[51] **Int.Cl. E02D 15/04 (2006.01) E04C 5/16 (2006.01)**
[25] EN
[54] **HOLLOW REBAR FOR POST-GROUTING THE BASE OF REINFORCED CONCRETE DRILLED SHAFTS**
[54] **BARRE D`ARMATURE CREUSE POUR POST-INJECTION DE COULIS DE CIMENT DE LA BASE DE PIEUX FORES EN BETON ARME**
[72] ASCHENBROICH, HORST K., CA
[71] ASCHENBROICH, HORST K., CA
[22] 2019-11-01
[41] 2020-05-16
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[51] **Int.Cl. B66F 9/20 (2006.01) B66C 15/04 (2006.01) B66F 17/00 (2006.01)**
[25] EN
[54] **TELEHANDLER WITH CONTROL SYSTEM**
[54] **CHARIOT TELESCOPIQUE AVEC SYSTEME DE COMMANDE**
[72] IOTTI, MARCO, IT
[71] MANITOU ITALIA S.R.L., IT
[22] 2019-11-05
[41] 2020-05-12
[30] IT (102018000010234) 2018-11-12

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[13] A1
[51] **Int.Cl. G06Q 30/04 (2012.01) G06F 3/12 (2006.01) G06K 9/18 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **PRINTING DATA PROCESSING METHOD AND APPARATUS, ELECTRONIC INVOICE GENERATING METHOD AND SERVER**
[54] **METHODE ET APPAREIL DE TRAITEMENT DE DONNEES D`IMPRESSION, METHODE DE PRODUCTION DE FACTURE ELECTRONIQUE ET SERVEUR**
[72] YANG, HU, CN
[72] ZHANG, BO, CN
[72] YANG, KAIMING, CN
[72] HAO, XUEWU, CN
[71] 10353744 CANADA LTD., CA
[22] 2019-11-06
[41] 2020-05-14
[30] CN (201811354295.7) 2018-11-14

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[51] **Int.Cl. B60J 7/04 (2006.01) B62D 33/04 (2006.01)**
[25] EN
[54] **HARD TONNEAU COVER WITH MULTI-FIXED POSITION CLAMP ASSEMBLY**
[54] **COUVERCLE SOLIDE DE TONNEAU DISPOSANT D`UN ASSEMBLAGE DE SERRAGE A MULTIPLES POSITIONS DE FIXATION**
[72] MA, YONGTAO, CN
[71] WINBO-DONGJIAN AUTOMOTIVE TECHNOLOGY CO. LTD., CN
[22] 2019-11-06
[41] 2020-05-13
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[13] A1
[51] **Int.Cl. F16L 11/127 (2006.01) E03C 1/04 (2006.01) F16L 11/10 (2006.01)**
[25] EN
[54] **SPRAYER HOSE ASSEMBLY**
[54] **ASSEMBLAGE DE BOYAU D`ARROSAGE**
[72] DAVIDSON, KYLE ROBERT, US
[72] JONTE, PATRICK B., US
[71] DELTA FAUCET COMPANY, US
[22] 2019-11-07
[41] 2020-05-12
[30] US (16/188,161) 2018-11-12

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[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) G06Q 20/24 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LENDING TRANSACTIONS**
[54] **SYSTEMES ET METHODES DE TRANSACTIONS DE PRETS**
[72] NATARAJAN, ARUNKUMAR, US
[72] MANDALI, VENKATA, US
[72] REES, KIM, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-11-07
[41] 2020-05-12
[30] US (16/186838) 2018-11-12

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[13] A1
[51] **Int.Cl. H04B 10/11 (2013.01) H04B 10/548 (2013.01) H04B 10/80 (2013.01)**
[25] EN
[54] **FREQUENCY SPECTRUM SYSTEM SECURITY**
[54] **SECURITE DU SYSTEME DE SPECTRE DE FREQUENCES**
[72] DUGE, ROBERT T., US
[72] SKERTIC, RICHARD JOSEPH, US
[71] ROLLS-ROYCE CORPORATION, US
[71] ROLLS-ROYCE NORTH AMERICA TECHNOLOGIES, INC., US
[22] 2019-11-07
[41] 2020-05-16
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[13] A1
[51] **Int.Cl. A01B 29/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE ROLLING BASKET ASSEMBLY**
[54] **ASSEMBLAGE DE PANIER ROULANT AJUSTABLE**
[72] FIGUEROA, CARLOS ALBERTO, MX
[72] MORENO, HUMBERTO, MX
[72] BECKER, SHAWN J., MX
[72] GARZA, ENRIQUE, MX
[71] DEERE & COMPANY, US
[22] 2019-11-08
[41] 2020-05-12
[30] US (62/759,984) 2018-11-12
[30] US (16/664,249) 2019-10-25

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[13] A1
[51] **Int.Cl. G02B 5/30 (2006.01) G02B 6/27 (2006.01) G02B 27/28 (2006.01) H01S 3/00 (2006.01)**
[25] EN
[54] **OPTICAL ISOLATOR AND FARADAY ROTATOR**
[54] **PHOTOCOUPLEUR ET ROTATEUR DE FARADAY**
[72] WATANABE, TOSHIAKI, JP
[71] SHIN-ETSU CHEMICAL CO., LTD., JP
[22] 2019-11-08
[41] 2020-05-16
[30] JP (2018-215398) 2018-11-16

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[51] **Int.Cl. B63B 27/14 (2006.01) B63B 17/00 (2006.01) B63B 29/20 (2006.01) E06C 1/34 (2006.01) E06C 1/393 (2006.01) E06C 7/16 (2006.01)**
[25] EN
[54] **MOVABLE PLATFORM WITH PULL-OUT STEP LADDER**
[54] **PLATEFORME MOBILE AVEC ESCABEAU ARTICULE**
[72] GRIMALDI, MICHELE, IT
[71] OPACMARE S.R.L., IT
[22] 2019-11-08
[41] 2020-05-13
[30] IT (102018000010265) 2018-11-13

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[13] A1
[51] **Int.Cl. B08B 1/04 (2006.01)**
[25] EN
[54] **METHOD OF TREATING A WORKPIECE SURFACE**
[54] **METHODE DE TRAITEMENT D`UNE SURFACE DE PIECE A USINER**
[72] DODDEMA, JAN FREDERIK, NL
[72] HOFSTEE, SANDER HENDRIKUS JOHANNES, BE
[71] MONTI-WERKZEUGE GMBH, DE
[22] 2019-11-08
[41] 2020-05-12
[30] DE (10 2018 128 269.9) 2018-11-12

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[13] A1
[51] **Int.Cl. A01C 5/06 (2006.01) A01C 15/00 (2006.01)**
[25] EN
[54] **SINGULATING METER FEEDING MULTIPLE FURROW OPENERS**
[54] **METRE MONO REGLEUR ALIMENTANT DE MULTIPLES ORGANES OUVREURS**
[72] COWAN, RYAN, CA
[72] JAGOW, SCOT, CA
[71] BOURGAULT INDUSTRIES LTD., CA
[22] 2019-11-12
[41] 2020-05-13
[30] CA (3,023,708) 2018-11-13

[21] **3,061,250**
[13] A1
[51] **Int.Cl. G08B 17/117 (2006.01) G01J 5/00 (2006.01) G01N 21/00 (2006.01) G01N 22/00 (2006.01) G08B 21/14 (2006.01) G08B 21/16 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SULFUR FIRE-WATCH AND DETECTION**
[54] **METHODE ET APPAREIL DE SURVEILLANCE ET DE DETECTION D`INCENDIES DE SOUFRE**
[72] DESOUZA, CARLITO R., CA
[72] GREER, TREVOR M., CA
[72] SHAW, DAVID A., CA
[71] ENERSUL INC., CA
[22] 2019-11-12
[41] 2020-05-13
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[51] **Int.Cl. A63B 69/00 (2006.01)**
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[54] **ATHLETIC TRAINING DEVICE**
[54] **DISPOSITIF D`ENTRAINEMENT PHYSIQUE**
[72] MICHELET, ALAIN JEAN-YVES, CA
[71] MICHELET, ALAIN JEAN-YVES, CA
[22] 2019-11-12
[41] 2020-05-15
[30] US (62/767,604) 2018-11-15

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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/90 (2019.01) G06F 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING ENHANCED DATA METRICS**
[54] **SYSTEME ET METHODE DE GENERATION DE DONNEES AMELIOREES**
[72] VICK, EMMA N., GB
[72] HILL, ANDREW J., GB
[72] HOOPER, GARY D., GB
[72] ADAMS, AMANDA J., GB
[72] RHODES, PAUL A., GB
[72] BOWLER, TIMOTHY J., GB
[72] ABBOUD, CHARLES, GB
[72] EVANS, THOMAS, GB
[72] TSELIKAS, STELIOS E., GB
[71] ICE BENCHMARK ADMINISTRATION LIMITED, GB
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[41] 2020-05-13
[30] US (16/679,835) 2019-11-11
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[51] **Int.Cl. H04W 12/00 (2009.01) H04W 4/12 (2009.01) H04W 80/04 (2009.01) G08G 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SECURE COMMUNICATION WITH ONE OR MORE UNMANNED AERIAL VEHICLES**
[54] **SYSTEME ET METHODE DE COMMUNICATION SECURISEE AVEC UN OU PLUSIEURS VEHICULES AERIENS SANS PILOTES**
[72] COLACITTI, GREGORY, CA
[72] DI BENEDETTO, PAUL, CA
[72] FATTORI, MIKE J., CA
[72] SHAPIRO, RUVEN, CA
[71] DRONE DELIVERY CANADA CORP., CA
[22] 2019-11-12
[41] 2020-05-12
[30] US (16/186,891) 2018-11-12

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/444 (2006.01)**
[25] EN
[54] **AZALACTAM COMPOUNDS AS HPK1 INHIBITORS**
[54] **COMPOSES AZA-LACTAMES EN TANT QU`INHIBITEURS DE HPK1**
[72] AHMAD, OMAR KHALED, US
[72] DEL BEL, MATTHEW, US
[72] GALLEGO, REBECCA ANNE, US
[72] HE, MINGYING, US
[72] JALAIE, MEHRAN, US
[72] JOHNSON, TED WILLIAM, US
[72] KANIA, ROBERT STEVEN, US
[72] MCTIGUE, MICHELE, US
[72] NAIR, SAJIV KRISHNAN, US
[72] TUTTLE, JAMISON BRYCE, US
[72] ZHOU, RU, US
[72] ZHOU, DAHUI, US
[71] PFIZER INC., US
[22] 2019-11-12
[41] 2020-05-15
[30] US (62/767602) 2018-11-15
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[51] **Int.Cl. F21K 9/69 (2016.01) F21K 9/60 (2016.01)**
[25] EN
[54] **ENERGY REDUCTION OPTICS**
[54] **OPTIQUE POUR REDUCTION DE CONSOMMATION D`ENERGIE**
[72] CHEN, JIE, US
[72] MARQUARDT, CRAIG EUGENE, US
[71] ABL IP HOLDING LLC, US
[22] 2019-11-12
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[51] **Int.Cl. B62D 55/04 (2006.01) B62D 55/07 (2006.01) B62D 55/08 (2006.01)**
[25] EN
[54] **TRACKED VEHICLE**
[54] **VEHICULE CHENILLE**
[72] TELFORD, CODY, US
[72] DRIGGARS, PHILLIP, US
[71] POLARIS INDUSTRIES INC., US
[22] 2019-11-12
[41] 2020-05-13
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[51] **Int.Cl. C07K 14/15 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 17/00 (2006.01) C12Q 1/02 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **BETARETROVIRUS EPITOPES AND RELATED METHODS OF USE**
[54] **EPITOPES DE BETARETROVIRUS ET METHODES CONNEXES**
[72] MASON, ANDREW L., CA
[72] RAHBARI, MANDANA, CA
[72] ZHANG, GUANGZHI, CA
[71] MASON, ANDREW L., CA
[71] RAHBARI, MANDANA, CA
[71] ZHANG, GUANGZHI, CA
[22] 2019-11-12
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[51] **Int.Cl. G08B 13/196 (2006.01) G08B 13/18 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **IMAGING APPARATUS AND IMAGING METHOD**
[54] **SYSTEME IMAGEUR ET METHODE DE FORMATION D`IMAGES**
[72] TAKAHASHI, TAKESHI, JP
[72] MACHIDA, TAKANOBU, JP
[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP
[22] 2019-11-12
[41] 2020-05-13
[30] JP (2018-212944) 2018-11-13

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[51] **Int.Cl. E01H 5/09 (2006.01) E01H 5/08 (2006.01)**
[25] EN
[54] **AUXILIARY SNOW MOVING MEMBERS AND SNOW REMOVAL MACHINES HAVING AT LEAST ONE AUXILIARY SNOW MOVING MEMBER**
[54] **PIECES ANNEXES POUR DEPLACER LA NEIGE ET MACHINE DE DEBLAIEMENT DE LA NEIGE DOTE D`AU MOINS UNE PIECE ANNEXE POUR DEPLACER LA NEIGE**
[72] PIOTROWSKI, TOMASZ, CA
[72] FUINA, MICHAEL, CA
[72] ZYLSTRA, SEAN, CA
[72] SOMMERFELD, TIMOTHY JAMES, CA
[72] VERMEER, MICHAEL DANIEL, CA
[72] MACKULIAK, MICHAEL, CA
[72] ZIMMERMAN, SHAUN, CA
[72] LAI, VICTOR, CA
[71] CANADIAN TIRE CORPORATION, LIMITED, CA
[22] 2019-11-12
[41] 2020-05-15
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[51] **Int.Cl. A01K 63/04 (2006.01) A01K 61/10 (2017.01) A01K 61/60 (2017.01) A01K 61/00 (2017.01)**
[25] EN
[54] **DEVICE FOR SUPPLYING WATER TO A SEA PEN**
[54] **DISPOSITIF D`ALIMENTATION EN EAU D`UNE CAGE D`ELEVAGE**
[72] GAUSEN, MARTIN, NO
[71] OXYVISION AS, NO
[22] 2019-11-12
[41] 2020-05-16
[30] NO (20181467) 2018-11-16

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[25] EN
[54] **SYSTEMS AND METHODS FOR CONTEXTUAL AUDIO DETECTION AND COMMUNICATION MODE TRANSITIONS**
[54] **SYSTEMES ET METHODES DE DETECTION SONORE CONTEXTUELLE ET TRANSITIONS ENTRE MODES DE COMMUNICATION**
[72] RAND, JAMES, CA
[72] SEGAL, NEVO, DK
[71] SYNERVOZ COMMUNICATIONS INC., CA
[22] 2019-11-13
[41] 2020-05-13
[30] US (62/760,181) 2018-11-13
[30] US (16/681,493) 2019-11-12

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[51] **Int.Cl. G06F 30/00 (2020.01) G06F 3/0481 (2013.01) G06F 3/0484 (2013.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **TECHNOLOGY FOR ENABLING ELASTIC GRAPHIC DESIGN**
[54] **TECHNOLOGIE PERMETTANT UNE CONCEPTION GRAPHIQUE ELASTIQUE**
[72] SHELMAN, PAUL, US
[72] ZHANG, SIYANG, US
[72] BODNYK, JOHANNA, US
[72] PORTNOY, NOAH, US
[71] CIMPRESS SCHWEIZ GMBH, CH
[22] 2019-11-13
[41] 2020-05-16
[30] US (16/193,823) 2018-11-16

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[13] A1
[51] **Int.Cl. A24F 47/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **ORAL INTERFACE FOR SMOKING APPARATUS**
[54] **INTERFACE ORALE D`APPAREIL POUR FUMER**
[72] BRADLEY, JAMES A., CA
[71] BRADLEY, JAMES A., CA
[22] 2019-11-13
[41] 2020-05-14
[30] US (62/767,477) 2018-11-14
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[51] **Int.Cl. H02K 16/04 (2006.01) H02K 1/14 (2006.01) H02K 1/24 (2006.01) H02K 15/00 (2006.01)**
[25] EN
[54] **DOUBLE-STATOR SINGLE-WINDING SWITCHED RELUCTANCE MACHINE**
[54] **MACHINE A RELUCTANCE COMMUTEE A DOUBLE STATOR A SIMPLE BOBINAGE**
[72] ONER, YASEMIN, CA
[72] BILGIN, BERKER, CA
[72] EMADI, ALI, CA
[71] ENEDYM INC., CA
[22] 2019-11-13
[41] 2020-05-16
[30] US (62/768,181) 2018-11-16

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[51] **Int.Cl. E21B 43/26 (2006.01) F03D 9/17 (2016.01) B65G 5/00 (2006.01) C09K 3/00 (2006.01) C09K 5/08 (2006.01) C10M 173/00 (2006.01)**
[25] EN
[54] **HYDRAULIC GEOFRACTURE ENERGY STORAGE SYSTEM WITH DESALINATION**
[54] **SYSTEME DE STOCKAGE D`ENERGIE DE GEOFRACTURATION HYDRAULIQUE ET DESSALEMENT**
[72] MANDELL, AARON H., US
[72] SCHMIDT, HOWARD K., US
[71] QUIDNET ENERGY INC., US
[22] 2019-11-13
[41] 2020-05-13
[30] US (16/188786) 2018-11-13

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[13] A1
[51] **Int.Cl. G01B 11/00 (2006.01) A24C 5/34 (2006.01) G01N 21/95 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR THE AUTOMATIC MEASURING OF PHYSICAL AND DIMENSIONAL PARAMETERS OF MULTI-SEGMENT ARTICLES**
[54] **PROCEDE ET SYSTEME DE MESURE AUTOMATIQUE DE PARAMETRES PHYSIQUES ET DIMENSIONNELS D`ARTICLES A SEGMENTS MULTIPLES**
[72] MICHELI, NICOLA, IT
[71] XEPICS SA, CH
[22] 2019-11-13
[41] 2020-05-15
[30] IT (102018000010374) 2018-11-15

[21] **3,061,523**
[13] A1
[51] **Int.Cl. B61L 25/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR HEALTH ASSESSMENT OF A TRACK CIRCUIT AND/OR OF A TRACK SECTION**
[54] **PROCEDE ET SYSTEME D`EVALUATION DE L`ETAT DE SANTE D`UN CIRCUIT DE PISTE ET/OU D`UNE SECTION DE PISTE**
[72] QIN, SONG, US
[72] MIJATOVIC, NENAD, US
[72] FRIES, JEFFREY, US
[71] ALSTOM TRANSPORT TECHNOLOGIES, FR
[22] 2019-11-12
[41] 2020-05-16
[30] US (16/193.444) 2018-11-16

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[51] **Int.Cl. G01J 5/20 (2006.01)**
[25] EN
[54] **MICROBOLOMETER DETECTORS AND ARRAYS FOR PRINTED PHOTONICS APPLICATIONS**
[54] **MICROBOLOMETRES ET DETECTEURS POUR APPLICATIONS D`OPTOELECTRONIQUE IMPRIMEE**
[72] OULACHGAR, HASSANE, CA
[71] INSTITUT NATIONAL D'OPTIQUE, CA
[22] 2019-11-12
[41] 2020-05-13
[30] US (62/760.484) 2018-11-13

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[51] **Int.Cl. E04D 13/03 (2006.01)**
[25] EN
[54] **SKYLIGHT PROTECTION ASSEMBLY AND METHOD FOR PROTECTING A SKYLIGHT**
[54] **ENSEMBLE DE PROTECTION D`UN LANTERNEAU ET METHODE DE PROTECTION D`UN LANTERNEAU**
[72] RIVEST, SERGE, CA
[71] CIELLA INC., CA
[22] 2019-11-12
[41] 2020-05-13
[30] US (62/760.407) 2018-11-13

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[51] **Int.Cl. A47K 10/22 (2006.01) A47K 10/40 (2006.01) B65H 16/06 (2006.01) B65H 75/22 (2006.01)**
[25] EN
[54] **SPINDLE ASSEMBLY FOR A WEB MATERIAL DISPENSER, WEB MATERIAL ROLL DISPENSING ASSEMBLY AND METHOD FOR INSERTING A WEB MATERIAL ROLL IN A DISPENSER**
[54] **BROCHE POUR UN DISTRIBUTEUR DE MATERIAU EN BANDE, ENSEMBLE DE DISTRIBUTION D`UN ROULEAU DE MATERIAU EN BANDE ET METHODE POUR INSERER UN ROULEAU DE MATERIAU EN BANDE DANS UN DISTRIBUTEUR**
[72] POIRIER, GABRIELLE, CA
[72] LEVEILLE, MANUEL, CA
[72] ORBAN BENOIT, CA
[71] CASCADES CANADA ULC, CA
[22] 2019-11-12
[41] 2020-05-14
[30] US (62/767,082) 2018-11-14

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[51] **Int.Cl. A45C 13/02 (2006.01) A45C 5/00 (2006.01) A45C 5/03 (2006.01) A45C 5/14 (2006.01) A45C 13/03 (2006.01)**
[25] EN
[54] **LUGGAGE ARTICLE WITH COMPRESSION DIVIDER SYSTEM**
[54] **BAGAGE COMPORTANT UN SYSTEME DE SEPARATEUR A COMPRESSION**
[72] MEERSSCHAERT, REINHARD, BE
[71] SAMSONITE IP HOLDINGS S.A R.L., LU
[22] 2019-11-13
[41] 2020-05-13
[30] EP (18206078.0) 2018-11-13
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[51] **Int.Cl. A01G 9/20 (2006.01) F21V 14/00 (2018.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR HORTICULTURAL LIGHTING TO BETTER SIMULATE THE SUN**
[54] **PROCEDE ET APPAREIL D`ECLAIRAGE HORTICOLE POUR MIEUX SIMULER LE SOLEIL**
[72] ADAMS, STEPHEN P., US
[72] CARPENTER, DARIN M., US
[71] ILLUM HORTICULTURE LLC, US
[22] 2019-11-13
[41] 2020-05-16
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[51] **Int.Cl. H01M 8/0202 (2016.01) C23C 16/40 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING FUEL CELL SEPARATOR**
[54] **METHODE DE FABRICATION D`UN SEPARATEUR DE PILE A COMBUSTIBLE**
[72] ASANO, YUHEI, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2019-11-13
[41] 2020-05-14
[30] JP (2018-213550) 2018-11-14

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[51] **Int.Cl. G10L 17/24 (2013.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETERMINING A WAKE WORD**
[54] **METHODES ET SYSTEMES SERVANT A DETERMINER UN MOT DE REVEIL**
[72] SAYADDI, HANS, US
[72] BINA, NIMA, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-11-13
[41] 2020-05-13
[30] US (16/189,937) 2018-11-13

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[13] A1
[51] **Int.Cl. E05B 47/00 (2006.01)**
[25] EN
[54] **ELECTRONIC DRIVE FOR DOOR LOCKS**
[54] **MOTEUR ELECTRONIQUE POUR SERRURE DE PORTE**
[72] LAMMERS, TRACY, US
[72] CRIDDLE, DOUGLAS JOHN, US
[71] AMESBURY GROUP, INC., US
[22] 2019-11-13
[41] 2020-05-13
[30] US (62/760,150) 2018-11-13
[30] US (62/851,961) 2019-05-23

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[51] **Int.Cl. H04L 29/02 (2006.01) H04W 88/16 (2009.01) H04W 4/30 (2018.01) G07B 17/00 (2006.01)**
[25] EN
[54] **GOOD PROCESSING APPARATUS**
[54] **APPAREIL DE TRAITEMENT DE BIENS**
[72] JAUERT, JOACHIM, DE
[72] FERSCH, MICHAEL, DE
[72] SCHILLING, TILMANN, DE
[71] FRANCOTYP-POSTALIA GMBH, DE
[22] 2019-11-13
[41] 2020-05-13
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[51] **Int.Cl. A45C 13/26 (2006.01) A45C 13/00 (2006.01) F16B 12/26 (2006.01)**
[25] EN
[54] **SNAP FIT CONNECTOR FOR USE WITH LUGGAGE ARTICLE COMPONENTS**
[54] **RACCORD A AJUSTEMENT SERRE DESTINE A L`UTILISATION AVEC DES COMPOSANTES D`UN BAGAGE**
[72] DE VOS, WIM, BE
[72] VAN DE WALLE, JEAN-CLAUDE, BE
[72] DESTREBECQ, CLOTILDE, BE
[71] SAMSONITE IP HOLDINGS S.A R.L., LU
[22] 2019-11-13
[41] 2020-05-13
[30] EP (18206081.4) 2018-11-13

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[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/27 (2019.01) G06Q 20/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CROSS-BORDER BLOCKCHAIN PLATFORM**
[54] **SYSTEME ET METHODE RELATIFS A UNE PLATEFORME DE CHAINE DE BLOCS TRANSFRONTALIERE**
[72] KOMANDUR, VENKATADRI KAUSHIK, CA
[72] ZUGIC, GORAN, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-11-14
[41] 2020-05-14
[30] US (62/767,238) 2018-11-14

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[13] A1
[51] **Int.Cl. G06F 16/27 (2019.01) G06F 21/62 (2013.01) G06F 16/22 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR STORING CONTRACT DATA STRUCTURES ON PERMISSIONED DISTRIBUTED LEDGERS**
[54] **SYSTEME ET METHODE DE STOCKAGE DES STRUCTURES DE DONNEES DE CONTRATS SUR LES REGISTRES DISTRIBUES PERMIS**
[72] KOMANDUR, VENKATADRI KAUSHIK, CA
[72] ZUGIC, GORAN, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-11-14
[41] 2020-05-14
[30] US (62/767,194) 2018-11-14

[21] **3,061,629**
[13] A1
[51] **Int.Cl. A61G 17/04 (2006.01) A61G 17/00 (2006.01)**
[25] EN
[54] **FUNERARY VIEWING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D`OBSERVATION FUNERAIRE**
[72] DAVIS, JUSTIN F., US
[72] DAVIS, GERALD H., US
[71] VANDOR CORPORATION, US
[22] 2019-11-14
[41] 2020-05-14
[30] US (62/767,498) 2018-11-14

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[13] A1
[51] **Int.Cl. B65G 43/10 (2006.01) B25J 5/00 (2006.01) B25J 9/18 (2006.01) B65G 47/96 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HANDLING ITEMS USING MOVABLE-BOTS**
[54] **SYSTEME ET PROCEDE DE MANUTENTION D`ARTICLES AU MOYEN DE ROBOTS MOBILES**
[72] MITHAL, TEJIT, SG
[72] KEJRIWAL, GAURAV, SG
[72] MITTAL, ANKIT, SG
[71] GREY ORANGE PTE, LTD., SG
[22] 2019-11-14
[41] 2020-05-15
[30] US (16/192686) 2018-11-15

[21] **3,061,634**
[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01) A47C 7/46 (2006.01)**
[25] EN
[54] **CHILD SAFETY SEAT**
[54] **SIEGE DE SECURITE POUR ENFANT**
[72] DUAN, XIAO SONG, CN
[71] WONDERLAND SWITZERLAND AG, CH
[22] 2019-11-13
[41] 2020-05-14
[30] CN (201811357761.7) 2018-11-14

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[13] A1
[51] **Int.Cl. A61F 5/11 (2006.01) A45D 29/00 (2006.01)**
[25] EN
[54] **ANCHOR AND BRACE FOR CORRECTING INGROWN NAILS**
[54] **FIXATION ET ENTRETOISE POUR CORRIGER DES ONGLES INCARNES**
[72] SCHWEITZER, JORDAN, US
[71] SCHWEITZER, JORDAN, US
[22] 2019-11-13
[41] 2020-05-13
[30] US (62/760,042) 2018-11-13

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[13] A1
[51] **Int.Cl. A47G 19/22 (2006.01) A47G 23/16 (2006.01) A47G 29/20 (2006.01) B65D 55/02 (2006.01) E05B 73/00 (2006.01)**
[25] EN
[54] **SECURE BEVERAGE CONTAINER WITH LOCKING FEATURE AND RELATED METHODS**
[54] **CONTENANT SECURITAIRE POUR BREUVAGE COMPORTANT UNE FONCTION DE VERROUILLAGE ET METHODES CONNEXES**
[72] LEARY, RHETT C., US
[71] LEARY, RHETT C., US
[22] 2019-11-13
[41] 2020-05-15
[30] US (16/191.593) 2018-11-15

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[13] A1
[51] **Int.Cl. E01H 5/07 (2006.01) E01H 5/09 (2006.01)**
[25] FR
[54] **WORM SCREW ROTOR SYSTEM, SNOWBLOWER THAT INCLUDES SUCH A SYSTEM, KIT FOR ASSEMBLING IT, AND RELATED MANUFACTURING, ASSEMBLY AND OPERATING METHODS**
[54] **SYSTEME DE ROTOR DE VIS SANS FIN, SOUFFLEUSE POURVUE D'UN TEL SYSTEME, KIT POUR L'ASSEMBLER, ET METHODES DE FABRICATION, D'ASSEMBLAGE ET D'OPERATION CORRESPONDANTES**
[72] CHAMPAGNE, CHRISTIAN, CA
[72] BORDELEAU, MAXIME, CA
[72] BELLEVILLE, BENOIT, CA
[71] LES MACHINERIES PRONOVOST INC., CA
[22] 2019-11-14
[41] 2020-05-14
[30] US (62767249) 2018-11-14

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[13] A1
[51] **Int.Cl. A01K 63/10 (2017.01)**
[25] EN
[54] **COLLECTION DEVICE FOR WASTE AT THE BOTTOM OF A FISH CAGE, AND AN ELEMENT TO BE USED WITH SUCH A COLLECTION DEVICE**
[54] **DISPOSITIF DE COLLECTION DES DECHETS AU FOND D`UN PARC A POISSONS ET UN ELEMENT A UTILISER CONJOINTEMENT A UN TEL DISPOSITIF DE COLLECTION**
[72] HEFFERNAN, LIAM, NO
[71] LIFT UP AS, NO
[22] 2019-11-14
[41] 2020-05-14
[30] NO (20181457) 2018-11-14

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[21] **3,061,663**
[13] A1
[51] **Int.Cl. A61G 17/04 (2006.01) A61G 17/00 (2006.01) A61G 17/007 (2006.01)**
[25] EN
[54] **FUNERARY DISPLAY ARRANGEMENT WITH INSERT KIT**
[54] **PRESENTATION FUNERAIRE ET TROUSSE D`INSERTION**
[72] DAVIS, JUSTIN F., US
[72] DAVIS, GERALD H., US
[71] VANDOR CORPORATION, US
[22] 2019-11-14
[41] 2020-05-14
[30] US (62/767,498) 2018-11-14

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[21] **3,061,667**
[13] A1
[51] **Int.Cl. G06N 3/08 (2006.01) G06F 17/00 (2019.01) G06K 9/62 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ASSESSING ITEM COMPATIBILITY**
[54] **SYSTEMES ET METHODES D`EVALUATION DE LA COMPATIBILITE D`ARTICLES**
[72] CUCURULL PREIXENS, GUILLEM, CA
[72] TASLAKIAN, PEROUZ, CA
[72] VAZQUEZ BERMUDEZ, DAVID, CA
[71] ELEMENT AI INC., CA
[22] 2019-11-14
[41] 2020-05-15
[30] US (62/767,849) 2018-11-15

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[21] **3,061,672**
[13] A1
[51] **Int.Cl. B64C 13/38 (2006.01) B64C 3/50 (2006.01)**
[25] EN
[54] **HIGH-LIFT ACTUATION SYSTEM HAVING CENTRALIZED INBOARD ACTUATION CONTROL AND INDEPENDANT OUTBOARD ACTUATION CONTROL**
[54] **SYSTEME D`ACTIONNEMENT HYPERSUSTENTATEUR AYANT UNE COMMANDE D`ACTIONNEMENT INTERIEURE CENTRALISEE ET UNE COMMANDE D`ACTIONNEMENT EXTERIEURE INDEPENDANTE**
[72] TZABARI, EHUD, CA
[71] BOMBARDIER INC., CA
[22] 2019-11-14
[41] 2020-05-16
[30] US (62/768,437) 2018-11-16

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[21] **3,061,675**
[13] A1
[51] **Int.Cl. B64C 13/38 (2006.01) B64C 3/50 (2006.01)**
[25] EN
[54] **HIGH-LIFT ACTUATION SYSTEM HAVING INDEPENDENT ACTUATION CONTROL**
[54] **SYSTEME D`ACTIONNEMENT HYPERSUSTENTATEUR AVEC COMMANDE D`ACTIONNEMENT INDEPENDANTE**
[72] TZABARI, EHUD, CA
[71] BOMBARDIER INC., CA
[22] 2019-11-14
[41] 2020-05-16
[30] US (62/768,399) 2018-11-16

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[21] **3,061,680**
[13] A1
[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/24 (2006.01) B25G 1/10 (2006.01)**
[25] EN
[54] **FILTER HOLDER FOR ESPRESSO MACHINES WITH DAMPED OPERATING HANDLE**
[54] **PORTE-FILTRE POUR MACHINES A ESPRESSO AVEC POIGNEE DE COMMANDE AMORTIE**
[72] ALMAGOR, OMRI, IT
[71] GRUPPO CIMBALI S.P.A., IT
[22] 2019-11-13
[41] 2020-05-16
[30] IT (102018000010404) 2018-11-16

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[21] **3,061,717**
[13] A1
[51] **Int.Cl. G06N 3/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR A CONVOLUTIONAL NEURAL NETWORK FOR MULTI-LABEL CLASSIFICATION WITH PARTIAL ANNOTATIONS**
[54] **SYSTEME ET PROCEDE POUR UN RESEAU NEURONAL CONVOLUTIF POUR LA CLASSIFICATION MULTI-LABEL AVEC ANNOTATIONS PARTIELLES**
[72] DURAND, THIBAUT, CA
[72] MEHRASA, NAZANIN, CA
[72] MORI, GREGORY, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-11-15
[41] 2020-05-16
[30] US (62/768,639) 2018-11-16

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[21] **3,061,726**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 8/70 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR VERIFYING SOFTWARE DATA LINEAGE**
[54] **SYSTEME ET PROCEDE DE VERIFICATION D`UNE LIGNEE DE DONNEES LOGICIELLES**
[72] WONG, JANETTE SIU JONG, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-11-15
[41] 2020-05-15
[30] US (62/767,721) 2018-11-15

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[21] **3,061,733**
[13] A1
[51] **Int.Cl. A24F 5/00 (2006.01) A24F 5/14 (2006.01)**
[25] EN
[54] **SMOKING PIPE SCREEN**
[54] **ECRAN DE PIPE POUR FUMEUR**
[72] NOTTO, COLIN, CA
[72] TIMMINS, JOHN, CA
[71] NOTTO, COLIN, CA
[71] TIMMINS, JOHN, CA
[22] 2019-11-15
[41] 2020-05-16
[30] US (62/768,232) 2018-11-16

[21] **3,061,744**
[13] A1
[51] **Int.Cl. H01R 33/05 (2006.01) H01R 24/60 (2011.01) H01R 13/52 (2006.01) F21S 4/10 (2016.01)**
[25] EN
[54] **LIGHT SOCKET WITH EXTERNAL CONFIGURATION FOR AN ATTACHMENT**
[54] **DOUILLE AYANT UNE CONFIGURATION EXTERNE POUR UN ACCESSOIRE**
[72] HALE, WILLIAM, US
[72] SKINNER, FRANK, US
[71] WINTERGREEN CORPORATION, US
[22] 2019-11-15
[41] 2020-05-15
[30] US (62/767976) 2018-11-15

[21] **3,061,745**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06N 3/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATIVE MODEL FOR STOCHASTIC POINT PROCESSES**
[54] **SYSTEME ET PROCEDE POUR UN MODELE GENERATIF DE PROCESSUS STOCHASTIQUES PONCTUELS**
[72] MEHRASA, NAZANIN, CA
[72] JYOTHI, AKASH ABDU, CA
[72] DURAND, THIBAUT, CA
[72] HE, JIAWEI, CA
[72] MORI, GREGORY, CA
[72] AHMED, MOHAMED, CA
[72] BRUBAKER, MARCUS, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-11-15
[41] 2020-05-16
[30] US (62/768,697) 2018-11-16
[30] US (62/851,385) 2019-05-22

[21] **3,061,749**
[13] A1
[51] **Int.Cl. B64D 31/00 (2006.01) F02C 9/26 (2006.01) F02C 9/46 (2006.01)**
[25] EN
[54] **SECURED BACKUP FEATURE FOR AN EMBEDDED SYSTEM**
[54] **FONCTION DE SAUVEGARDE SECURISEE POUR UN SYSTEME INTEGRE**
[72] ANDRUS, DAWN KAY, US
[72] BITZ, DANIEL JOHN, US
[72] SKERTIC, RICHARD JOSEPH, US
[71] ROLLS-ROYCE CORPORATION, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2019-11-15
[41] 2020-05-16
[30] US (16/193,467) 2018-11-16

[21] **3,061,781**
[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01) A01C 15/04 (2006.01)**
[25] EN
[54] **AIR DRILL AND METHOD OF USE FOR CRUSHING GRANULAR PRODUCT TO BE DELIVERED INTO THE GROUND**
[54] **PERCEUSE PNEUMATIQUE ET METHODE D`UTILISATION POUR CONCASSER UN PRODUIT GRANULEUX A DEPOSER DANS LE SOL**
[72] KLEIN, TREVOR A., CA
[71] KLEIN, TREVOR A., CA
[22] 2019-11-15
[41] 2020-05-15
[30] US (62767559) 2018-11-15

[21] **3,061,782**
[13] A1
[51] **Int.Cl. E02D 19/04 (2006.01) E02D 19/12 (2006.01)**
[25] EN
[54] **COFFERDAM SYSTEM AND METHOD OF INSTALLING THE SAME**
[54] **SYSTEME DE BATARDEAU ET METHODE D`INSTALLATION**
[72] RIVEST-AUGER, NICOLAS, CA
[72] PLANTE, LOUIS-PHILIPPE, CA
[71] AQUAPERA INDUSTRIES INC., CA
[22] 2019-11-14
[41] 2020-05-15
[30] US (62/767,614) 2018-11-15

[21] **3,061,790**
[13] A1
[51] **Int.Cl. H01R 13/453 (2006.01)**
[25] EN
[54] **SOCKET**
[54] **PRISE**
[72] WANG, YONGGANG, CN
[71] SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD., AU
[22] 2019-11-15
[41] 2020-05-16
[30] CN (201821899900.4) 2018-11-16

[21] **3,061,806**
[13] A1
[51] **Int.Cl. G05D 1/10 (2006.01) B64C 39/02 (2006.01)**
[25] EN
[54] **AUTONOMOUS AERIAL VEHICLE NAVIGATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE NAVIGATION AUTONOME DES VEHICULES AERIENS**
[72] DICK, MATTHEW, US
[72] SHALABY, TAREK, US
[72] ROLIN, AMAURY, US
[72] STRAATVEIT, ANDREW, US
[72] MEYMAND, SAJJAD, US
[72] BLOOM, JEFFREY, US
[72] KIM, ANTHONY, US
[72] FERNANDEZ, HUMBERTO, US
[72] LIU, ZHIPENG, US
[72] YILMA, SAMSON, US
[72] CHEN, XIN, US
[71] ENSCO, INC., US
[22] 2019-11-15
[41] 2020-05-16
[30] US (62/768,598) 2018-11-16

[21] **3,061,816**
[13] A1
[51] **Int.Cl. A61J 1/16 (2006.01) B65D 1/36 (2006.01) B65D 71/52 (2006.01) B65D 71/70 (2006.01) B65D 85/42 (2006.01)**
[25] EN
[54] **HOLDING STRUCTURE FOR SIMULTANEOUSLY HOLDING A PLURALITY OF CONTAINERS FOR SUBSTANCES FOR PHARMACEUTICAL, MEDICAL OR COSMETIC APPLICATIONS, TRANSPORT UNIT AND TRANSPORT OR PACKAGING CONTAINER HAVING THE SAME**
[54] **STRUCTURE DE MAINTIEN POUR MAINTENIR SIMULTANEMENT UNE PLURALITE DE RECIPIENTS POUR SUBSTANCES DESTINEES A DES APPLICATIONS PHARMACEUTIQUES, MEDICALES OU COSMETIQUES, UNITE DE TRANSPORT ET RECIPIENT DE TRANSPORT OU D`EMBALLAGE LA COMPORTANT**
[72] KOMANN, CHRISTIAN, CH
[72] BUSIMI, ANIL-KUMAR, CH
[72] KLOKE, ARNE, CH
[71] SCHOTT SCHWEIZ AG, CH
[22] 2019-11-15
[41] 2020-05-16
[30] DE (10 2018 128 817.4) 2018-11-16

[21] **3,061,852**
[13] A1
[51] **Int.Cl. G01R 29/08 (2006.01)**
[25] EN
[54] **METHOD OF PREDICTING SCATTERING OF AN ELECTROMAGNETIC WAVE AT A SURFACE WITH LOCATION-DEPENDENT SCATTERING PROPERTIES _____**
[54] **METHODE DE PREDICTION DE LA DIFFUSION D`UNE ONDE ELECTROMAGNETIQUE SUR UNE SURFACE AVEC DES PROPRIETES DE DIFFUSION DEPENDANTES DU LIEU _____**
[72] DE JONG, YVO, CA
[71] HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF INDUSTRY THROUGH THE COMMUNICATIONS RESEARCH CENTRE CANADA, CA
[22] 2019-11-18
[41] 2020-05-16
[30] US (62/768,345) 2018-11-16

[21] **3,061,919**
[13] A1
[51] **Int.Cl. E04B 2/88 (2006.01) E04G 21/14 (2006.01)**
[25] EN
[54] **FACADE SYSTEM FOR A BUILDING STRUCTURE AND SPANDREL WALL PANEL THEREFOR**
[54] **SYSTEME DE FACADE POUR UNE STRUCTURE DE BATIMENT ET PANNEAU D`ALLEGE CONNEXE**
[72] KROPAC, KAMIL, CA
[72] GERASHCHENKO, OLEKSANDR, CA
[72] SZCZEPANSKI, LESZEK, CA
[72] WHEELER, BLAKE, CA
[71] OLDCASTLE BUILDINGENVELOPE CANADA INC., CA
[22] 2019-11-15
[41] 2020-05-15
[30] US (62/767,631) 2018-11-15

[21] **3,061,920**
[13] A1
[51] **Int.Cl. G01B 21/00 (2006.01) A41H 1/00 (2006.01) G01B 11/245 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR EVALUATING A SIZE OF A GARMENT**
[54] **METHODES ET SYSTEMES D`EVALUATION DE LA TAILLE D`UN VETEMENT**
[72] LAMOUREUX, PHILIPPE, CA
[71] VETEMENTS FLIP DESIGN INC., CA
[22] 2019-11-15
[41] 2020-05-15
[30] US (62/767,583) 2018-11-15

[21] **3,072,660**
[13] A1
[51] **Int.Cl. H02B 7/00 (2006.01) E04H 5/02 (2006.01) E21B 41/00 (2006.01) E21B 43/26 (2006.01) F01D 15/10 (2006.01) F04B 17/03 (2006.01) F04B 17/06 (2006.01) F04B 23/04 (2006.01) F16F 15/08 (2006.01) F16M 3/00 (2006.01) H02P 27/04 (2016.01)**
[25] EN
[54] **ELECTRIC DRIVEN HYDRAULIC FRACKING OPERATION**
[54] **OPERATION DE FRACTURATION HYDRAULIQUE A COMMANDE ELECTRIQUE**
[72] FISCHER, JOHN, US
[72] KUBRICHT, DAVID, US
[72] CHEATHAM, RICHARD, US
[72] POLLACK, JEFFREY, US
[72] LAWMAN, CHAD, US
[72] TODD, DAVID, US
[72] NOLEN, TYLER, US
[72] CROSETTO, JOHN J., US
[71] NATIONAL SERVICE ALLIANCE - HOUSTON LLC, US
[22] 2020-02-14
[41] 2020-05-11
[30] US (62/805,521) 2019-02-14

[21] **3,074,481**
[13] A1
[51] **Int.Cl. E21B 43/34 (2006.01) E21B 43/40 (2006.01)**
[25] EN
[54] **CARBON DIOXIDE REMOVAL FROM PRODUCED GASES OF HEAVY OIL IN SITU RECOVERY PROCESSES USING AMINE EXTRACTION**
[54] **ELIMINATION DU DIOXYDE DE CARBONE DANS LES GAZ PRODUITS PAR DES PROCEDES DE RECUPERATION D`HUILE LOURDE SUR PLACE PAR EXTRACTION PAR AMINE**
[72] HARANDI, MOHSEN N., US
[72] YAZDI, ALIREZA ZEHTAB, CA
[72] DUNN, JAMES A., CA
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[71] IMPERIAL OIL RESOURCES LIMITED, CA
[22] 2020-03-04
[41] 2020-05-12

[21] **3,074,497**
[13] A1
[51] **Int.Cl. E21B 43/34 (2006.01) B01D 53/14 (2006.01) B01D 53/52 (2006.01) B01D 53/62 (2006.01) B65G 5/00 (2006.01)**
[25] EN
[54] **CARBON DIOXIDE REMOVAL FROM PRODUCED GASES OF HEAVY OIL IN SITU RECOVERY PROCESSES USING AQUEOUS EXTRACTION**
[54] **ELIMINATION DU DIOXYDE DE CARBONE DANS LES GAZ PRODUITS PAR DES PROCEDES DE RECUPERATION D`HUILE LOURDE SUR PLACE PAR EXTRACTION AQUEUSE**
[72] HARANDI, MOHSEN N., US
[72] YAZDI, ALIREZA ZEHTAB, CA
[72] DUNN, JAMES A., CA
[72] ESMAEILI, PAYMAN, CA
[72] WIATR, STEVE, CA
[72] HEAD, BRIAN, CA
[72] KABIR, MOHAMMAD, CA
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[71] IMPERIAL OIL RESOURCES LIMITED, CA
[22] 2020-03-04
[41] 2020-05-12

[21] **3,075,155**
[13] A1
[51] **Int.Cl. B65D 21/02 (2006.01) A45C 5/03 (2006.01) B62B 3/14 (2006.01)**
[25] EN
[54] **UTILITY ASSEMBLY AND CONNECTIVITY SYSTEM THEREFORE**
[54] **ENSEMBLE DE SERVICE ET SYSTEME DE CONNECTIVITE**
[72] BRUNNER, YARON, IL
[72] BOUGAY, AYALA VARDI, IL
[72] HETZRONI, OREN, IL
[71] KETER PLASTIC LTD., IL
[22] 2020-03-10
[41] 2020-05-14
[30] IL (271995) 2020-01-12

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

[21] **3,028,194**
[13] A1
[51] **Int.Cl. G16Z 99/00 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **ARTIFICIAL INTELLIGENT SYSTEMS AND METHODS FOR IDENTIFYING A DRUNK PASSENGER BY A CAR HAILING ORDER**
[54] **SYSTEMES D'INTELLIGENCE ARTIFICIELLE ET METHODES D'IDENTIFICATION D'UN PASSAGER EN ETAT D'EBRIETE PAR UN ORDRE D'APPEL DE VOITURE**
[72] ZHANG, GUCHAO, CN
[72] WANG, YIZHEN, CN
[72] LIU, YASHU, CN
[71] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
[85] 2018-12-20
[86] 2018-11-23 (PCT/CN2018/117078)
[87] (3028194)
[30] CN (201811367896.1) 2018-11-16

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[21] **3,028,223**
[13] A1
[51] **Int.Cl. G01C 21/00 (2006.01) G08G 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR POSITIONING VEHICLES UNDER POOR LIGHTING CONDITIONS**
[54] **SYSTEMES ET METHODES DE POSITIONNEMENT DE VEHICULES EN CAS DE MAUVAISES CONDITIONS D'ECLAIRAGE**
[72] LI, BAOLI, CN
[72] CHEN, ZUGANG, CN
[72] FENG, LU, CN
[72] WANG, YE, CN
[71] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
[85] 2018-12-20
[86] 2018-11-16 (PCT/CN2018/115886)
[87] (3028223)

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[13] A1
[51] **Int.Cl. G01S 17/89 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CORRECTING A HIGH-DEFINITION MAP BASED ON DETECTION OF OBSTRUCTING OBJECTS**
[54] **SYSTEMES ET METHODES DE CORRECTION D'UNE CARTE HAUTE DEFINITION FONDEE SUR LA DETECTION D'OBJETS OBSTRUCTEURS**
[72] FENG, LU, CN
[72] MA, TENG, CN
[71] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
[85] 2018-12-28
[86] 2018-11-15 (PCT/CN2018/115582)
[87] (3028599)

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[13] A1
[51] **Int.Cl. G01C 21/28 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR COLOR POINT CLOUD GENERATION**
[54] **METHODES ET SYSTEMES DE GENERATION DE NUAGES DE POINTS COLORES**
[72] ZHU, XIAOLING, CN
[72] MA, TENG, CN
[72] FENG, LU, CN
[71] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
[85] 2018-12-27
[86] 2018-11-13 (PCT/CN2018/115254)
[87] (3028653)

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[21] **3,058,985**
[13] A1
[51] **Int.Cl. A45C 11/16 (2006.01) A45C 13/02 (2006.01) B65D 1/24 (2006.01)**
[25] EN
[54] **CASE FOR JEWELRY ITEMS**
[54]
[72] SCIASCETTI, DONATO, CA
[71] SCIASCETTI, DONATO, CA
[85] 2019-11-12
[86] 2019-03-27 (PCT/CA2019/050374)
[87] (WO2020/010433)
[30] US (62/696,047) 2018-07-10

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[21] **3,065,653**
[13] A1
[25] EN
[54] **ARTIFICIAL INTELLIGENCE MODEL FOR PREDICTING ACTIONS OF TEST SUBSTANCE IN HUMANS**
[54]
[72] SATO, NARUTOKU, JP
[71] KARYDO THERAPEUTIX, INC., JP
[85] 2020-03-05
[86] 2019-05-31 (PCT/JP2019/021735)
[87] (WO2020/021857)
[30] JP (2018-141890) 2018-07-27

[21] **3,071,650**
[13] A1
[51] **Int.Cl. A61B 17/3211 (2006.01) A61B 17/3209 (2006.01) A61F 9/013 (2006.01)**
[25] EN
[54] **SURGICAL TOOL FOR FORMING INCISIONS IN OCULAR TISSUE WITH TIP PROVIDING VISIBILITY AND RELATED APPARATUS AND METHOD**
[54] **OUTIL CHIRURGICAL POUR FORMER DES INCISIONS DANS UN TISSU OCULAIRE AVEC UNE POINTE FOURNISSANT UNE VISIBILITE ET APPAREIL ET PROCEDE ASSOCIES**
[72] OZINGA, DAVID G., US
[72] SCHANZLIN, DAVID J., US
[71] REFOCUS GROUP, INC., US
[85] 2020-01-29
[86] 2018-08-13 (PCT/US2018/046447)
[87] (WO2019/040302)
[30] US (62/549,318) 2017-08-23

[21] **3,071,757**
[13] A1
[25] EN
[54] **TUNNELING FOR UNDERGROUND POWER AND PIPELINES**
[54] **3072204ENT DES TUNNELS POUR ALIMENTATION SOUTERRAINE ET PIPELINES**
[72] HELMING, TROY ANTHONY, US
[71] ARCBYT, INC., US
[85] 2020-02-07
[86] 2018-11-14 (PCT/US2018/060961)
[87] (3071757)

[21] **3,073,861**
[13] A1
[51] **Int.Cl. A01G 18/70 (2018.01) A01G 18/60 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTONOMOUS HARVESTING OF MUSHROOMS**
[54] **SYSTEME ET PROCEDE DE RECOLTE AUTONOME DE CHAMPIGNONS**
[72] GOOD, MURRAY, CA
[72] GLIBETIC, STEFAN, CA
[72] KUCHINSKIY, NIKITA, CA
[72] KERMANI, MEHRDAD, CA
[72] HAYDEN, SCOTT, CA
[72] PHAN, JOHN, CA
[71] MYCIONICS INC., CA
[85] 2020-02-27
[86] 2019-11-13 (PCT/CA2019/051619)
[87] (WO2020/097727)
[30] US (62/760,598) 2018-11-13

[21] **3,077,595**
[13] A1
[51] **Int.Cl. C12N 5/0783 (2010.01) C07K 14/725 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **METHODS FOR SELECTIVELY EXPANDING CELLS EXPRESSING A TCR WITH A MURINE CONSTANT REGION**
[54] **METHODES D'EXPANSION SELECTIVE DE CELLULES EXPRIMANT UN TCR AVEC UNE REGION CONSTANTE MURINE**
[72] DENIGER, DREW C., US
[72] FELDMAN, STEVEN A., US
[72] ROSENBERG, STEVEN A., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2020-03-31
[86] 2018-09-24 (PCT/US2018/052432)
[87] (WO2019/070435)
[30] US (62/568,339) 2017-10-05

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[13] A1
[51] **Int.Cl. B29C 43/18 (2006.01) B29C 43/20 (2006.01) B29C 70/10 (2006.01) B29C 70/42 (2006.01) B29C 70/68 (2006.01) C08J 5/24 (2006.01)**
[25] EN
[54] **MANUFACTURING METHOD FOR FIBER-REINFORCED PLASTIC COMPOSITE**
[54] **PROCEDE DE FABRICATION DE COMPOSITE PLASTIQUE RENFORCE DE FIBRES**
[72] FUJITA, YUZO, JP
[72] KARAKI, TAKUYA, JP
[72] ADACHI, KENTARO, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2020-03-31
[86] 2018-10-17 (PCT/JP2018/038645)
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[72] STANDLEE, MICHAEL G., US
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[72] MORENO, PAUL, FR
[71] DIAGDEV, FR
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[54] **CLE DE BATTERIE, DEMARREUR ET MANIVELLE AMELIOREE**
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[72] BARCZAK, JAMES A., US
[72] HOSALUK, LAWRENCE J., US
[72] HEDLUND, DARREN J., US
[72] YOUNG, OLIVER J., GB
[72] REEVES, MATTHEW D., US
[72] THARALDSON, JOSEPH D., US
[72] DALE, CHAD A., US
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[54] **METHODES DE TRAITEMENT DE LA TOXICITE ASSOCIEE AUX IMMUNOTHERAPIES UTILISANT UN ANTAGONISTE DU GM-CSF**
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[72] CHAPPELL, DALE, CH
[71] HUMANIGEN, INC., US
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[54] **BOGIE A SUSPENSION ELASTOMERE**
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[71] AMSTED RAIL COMPANY, INC., US
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[54] **DOSAGE AND ADMINISTRATION OF ANTI-C5 ANTIBODIES FOR TREATMENT OF PATIENTS WITH MEMBRANOPROLIFERATIVE GLOMERULONEPHRITIS**
[54] **DOSAGE ET ADMINISTRATION D'ANTICORPS ANTI-C5 POUR LE TRAITEMENT DE PATIENTS PRESENTANT UNE GLOMERULONEPHRITE MEMBRANOPROLIFERATIVE**
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[72] RUGGENENTI, PIERO, IT
[72] GAO, XIANG, US
[71] ALEXION PHARMACEUTICALS, INC., US
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[54] **CONNEXION PLASTIQUE ANTISISMIQUE**
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[72] VANKER, JOHN LOUIS, US
[72] LASTOWSKI, MICHAEL J., US
[71] PATCO, LLC, US
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[54] **REMORQUE ET SON UNITE MOTRICE**
[72] WANG, FENG, CA
[71] HYDRAULIQUE EAGLE INC., CA
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[54] **BRAIN-COMPUTER INTERFACE PLATFORM AND PROCESS FOR CLASSIFICATION OF COVERT SPEECH**
[54] **PLATEFORME D'INTERFACE CERVEAU-ORDINATEUR ET PROCEDE DE CLASSIFICATION DE PAROLE INTERIEURE**
[72] CHAU, THOMAS TAK KIN, CA
[72] SERESHKEH, ALBORZ REZAZADEH, CA
[71] HOLLAND BLOORVIEW KIDS REHABILITATION HOSPITAL, CA
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[54] **REVETEMENT DE ZN-NI RESISTANT AUX TEMPERATURES ELEVEES SUR UN SUBSTRAT EN ACIER**
[72] DING, ZHIFENG, CA
[72] GUO, QIUQUAN, CA
[72] HESARI, MAHDI, CA
[72] OGLAN, DARRIN, CA
[72] THERRIEN, PATRICK, CA
[72] YANG, JUN, CA
[71] THE UNIVERSITY OF WESTERN ONTARIO, CA
[71] MARWOOD INTERNATIONAL INC., CA
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[54] **PROCEDE ET APPAREIL DE CONTROLE DE CAPACITE D'UE RESTREINTE, ET SUPPORT DE STOCKAGE INFORMATIQUE**
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[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **DISPOSITIF D'AGRAFAGE DE VALVE**
[72] DAI, YUFENG, CN
[72] YANG, HUIXIAN, CN
[72] PAN, BINGYUE, CN
[72] LI, TAO, CN
[71] SHANGHAI HANYU MEDICAL TECHNOLOGY CO., LTD, CN
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[54] **PINCE A DENUDER**
[72] HOLLAND-MORITZ, GEORG, DE
[72] BRUCKNER, MICHAEL, DE
[72] LEGLER, RALF, DE
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[54] **CENTRALE ELECTRIQUE COMPACTE**
[72] HIMSCHOOT, PETER, BE
[72] TROCH, JAMES, BE
[72] AERTS, KARL, BE
[72] AHRENS, KURT, BE
[71] 247 ENERGY BVBA, BE
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[54] **DISPOSITIF DE TRAITEMENT DE DONNEES DE MATERIEL ROULANT**
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[54] **TRANSMISSION CENTRIFUGE D'IMPACTS**
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[54] **MACHINE ELECTRIQUE ET PROCEDE DE FABRICATION**
[72] DURAND, FABIEN, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
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[72] IRWIN, CRAG W., US
[72] SKELTON, TYSON J., US
[71] W. L. GORE & ASSOCIATES, INC., US
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[54] **PROTEINE POUR UNE CAPTURE RAPIDE ET EFFICACE D'ANTIGENES**
[72] SIKES JOHNSON, HADLEY, US
[72] MILLER, ERIC ALEXANDER, US
[72] SUNG, KI-JOO, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
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[54] **SYSTEME ET PROCEDE DE SEPARATION POUR PRODUCTION DE PETROLE**
[72] FORTHUBER, FREDERICK A., US
[72] GRIFFIN, BYRON, US
[72] LITTLEFIELD, RYAN, US
[72] GARNER, DAVID, US
[72] LOPEZ, ANDRES S., US
[72] HAYS, BENJAMIN, US
[71] OXY USA INC., US
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[54] **INSTRUMENTED FRACTURING SLURRY FLOW SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ECOULEMENT DE BOUE DE FRACTURATION INSTRUMENTEE**
[72] OEHRING, JARED, US
[72] CHRISTINZIO, ALEXANDER JAMES, US
[72] HINDERLITER, BRANDON N., US
[71] U.S. WELL SERVICES, LLC, US
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[54] **ELECTRIC POWERED HYDRAULIC FRACTURING SYSTEM WITHOUT GEAR REDUCTION**
[54] **SYSTEME DE FRACTURATION HYDRAULIQUE A ALIMENTATION ELECTRIQUE SANS DEMULTIPLICATION**
[72] OEHRING, JARED, US
[71] U.S. WELL SERVICES, LLC, US
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[54] **PARFUM ENCAPSULE DANS UN COMPRIME COMPRESSE**
[72] FARMER, RACHEL ANN, US
[72] SHIREMAN, DENNIS EARL, US
[72] HAWES, CHARLES L., US
[72] HEALEY, BRETT JUSTIN, US
[72] PETKUS, MATTHEW MICHAEL, US
[71] W.M. BARR & COMPANY, INC., US
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[54] **TERMINAL D'UTILISATEUR ET PROCEDE DE COMMUNICATION RADIO**
[72] HARADA, HIROKI, JP
[72] TAKEDA, DAIKI, JP
[72] MURAYAMA, DAISUKE, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
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[54] **METHODS FOR MAKING YERBA MATE EXTRACT COMPOSITION**
[54] **PROCEDES DE PREPARATION D'UNE COMPOSITION D'EXTRAIT DE YERBA MATE**
[72] GASPARD, DAN S., US
[72] ZARTH, ADAM T., US
[71] CARGILL, INCORPORATED, US
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[54] **PROTEINES IMMUNOMODULATRICES A VARIANTS DE LIGAND DE ICOS VARIANT, COMPOSITIONS ET METHODES ASSOCIEES**
[72] EVANS, LAWRENCE, US
[72] KORNACKER, MICHAEL, US
[72] SWANSON, RYAN, US
[71] ALPINE IMMUNE SCIENCES, INC., US
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[54] **ROBINET ET DISPOSITIF DE STOCKAGE ET DE DISTRIBUTION DE FLUIDE SOUS PRESSION**
[72] VIGNEROL, SAMUEL, FR
[72] FRENAL, ANTOINE, FR
[72] MULLER, DENIS, FR
[72] PAOLI, HERVE, FR
[72] ONDO, OLIVIER, FR
[72] LAMIABLE, MORGAN, FR
[72] BROECHLER, JOHAN, FR
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[72] LOPEZ-JIMENEZ, FRANCISCO, US
[72] KAPA, SURAJ, US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
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[54] **METHOD OF REDUCING KNIT LINE DURING COMPRESSION MOLDING OF CARBON FIBER SMC FOR COMPLEX 3D STRUCTURAL APPLICATIONS**
[54] **PROCEDE DE REDUCTION DE LIGNE DE SOUDURE PENDANT LE MOULAGE PAR COMPRESSION DE SMC A FIBRES DE CARBONE POUR APPLICATIONS STRUCTURALES 3D COMPLEXES**
[72] KRULL, BRIAN A., US
[72] LAUX, JOSEPH J., CH
[72] PACHHA, RANJIT, CA
[72] WANG, ZONGXUN, CA
[71] MAGNA EXTERIORS INC., CA
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[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL D'UTILISATEUR ET PROCEDE DE COMMUNICATION SANS FIL**
[72] MATSUMURA, YUKI, JP
[72] TAKEDA, KAZUKI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
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[87] (WO2019/069464)

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[25] EN
[54] **CONFIGURING OPTICAL LAYERS IN IMPRINT LITHOGRAPHY PROCESSES**
[54] **CONFIGURATION DE COUCHES OPTIQUES DANS DES PROCEDES DE LITHOGRAPHIE PAR IMPRESSION**
[72] SINGH, VIKRAMJIT, US
[72] MILLER, MICHAEL NEVIN, US
[72] XU, FRANK Y., US
[72] YANG, SHUQIANG, US
[71] MAGIC LEAP, INC., US
[85] 2020-04-03
[86] 2018-10-19 (PCT/US2018/056644)
[87] (WO2019/079679)
[30] US (62/574,826) 2017-10-20

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[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL UTILISATEUR ET PROCEDE DE COMMUNICATION SANS FIL**
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[72] TAKEDA, KAZUKI, JP
[72] NAGATA, SATOSHI, JP
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[54] **MEDICAL DEVICE**
[54] **DISPOSITIF MEDICAL**
[72] RIES, WOLFGANG, DE
[72] SCHENDZIELORZ, LARS, DE
[72] STEEGMULLER, RAINER, DE
[71] JOIMAX GMBH, DE
[85] 2020-04-06
[86] 2018-08-23 (PCT/EP2018/000412)
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[30] DE (10 2017 010 033.0) 2017-10-27

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[51] **Int.Cl. A61F 2/00 (2006.01)**
[25] EN
[54] **TISSUE PRODUCTS WITH VARIATIONS IN MECHANICAL PROPERTIES AND METHODS OF TREATMENT**
[54] **PRODUITS DE TISSU PRESENTANT DES VARIATIONS DE PROPRIETES MECANIQUES ET PROCEDES DE TRAITEMENT**
[72] DAUNCH, WILLIAM A., US
[71] LIFECELL CORPORATION, US
[85] 2020-04-03
[86] 2018-10-19 (PCT/US2018/056675)
[87] (WO2019/079698)
[30] US (62/575,063) 2017-10-20
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[25] EN
[54] **PROCESS FOR THE TRANSITION METAL CATALYZED CYANATION OF ARYL/VINYL HALIDES**
[54] **PROCESSUS DE CYANATION CATALYSEE PAR UN METAL DE TRANSITION D'HALOGENURES D'ARYLE/VINYLE**
[72] MORANDI, BILL, CH
[72] YU, PENG, CH
[71] STUDIENGESELLSCHAFT KOHLE MBH, DE
[85] 2020-04-05
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[25] EN
[54] **VALVE AND RESERVOIR(S) FOR PRESSURIZED FLUID**
[54] **ROBINET ET RESERVOIR(S) DE FLUIDE SOUS PRESSION**
[72] VIGNEROL, SAMUEL, FR
[72] FRENAL, ANTOINE, FR
[72] MULLER, DENIS, FR
[72] PAOLI, HERVE, FR
[72] LAMIABLE, MORGAN, FR
[72] BROECHLER, JOHAN, FR
[72] DI FILIPPO, CLAUDIO, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2020-04-03
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[87] (WO2019/068972)
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[25] EN
[54] **FIRELIGHTER CAGE**
[54] **CAGE POUR ALLUME-FEU**
[72] VILARDI, SERGIO, AU
[72] KHOURY, EDWARD JOSEPH, AU
[72] WINTERBOTTOM, BLAKE, AU
[71] VILARDI, SERGIO, AU
[71] VILARDI, NUNZIATINI, AU
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[25] EN
[54] **TIRE STUD FOR ANCHORING IN A TIRE STUD HOLE OF A TREAD OF A PNEUMATIC VEHICLE TIRE**
[54] **CRAMPON DESTINE A ETRE ANCRE DANS UN TROU DE CRAMPON D'UNE BANDE DE ROULEMENT D'UN PNEUMATIQUE DE VEHICULE**
[72] SCHLITTENHARD, JAN, DE
[71] CONTINENTAL REIFEN DEUTSCHLAND GMBH, DE
[85] 2020-04-06
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[30] DE (10 2017 219 915.6) 2017-11-09

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[25] EN
[54] **GRADIENT NORMALIZATION SYSTEMS AND METHODS FOR ADAPTIVE LOSS BALANCING IN DEEP MULTITASK NETWORKS**
[54] **SYSTEMES ET PROCEDES DE NORMALISATION DE GRADIENT POUR EQUILIBRAGE DE PERTE ADAPTATIF DANS DES RESEAUX MULTITACHES PROFONDS**
[72] CHEN, ZHAO, US
[72] BADRINARAYANAN, VIJAY, US
[72] RABINOVICH, ANDREW, US
[71] MAGIC LEAP, INC., US
[85] 2020-04-03
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[30] US (62/577,705) 2017-10-26
[30] US (62/599,693) 2017-12-16
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[54] **VALVE AND RESERVOIR(S) FOR PRESSURIZED FLUID**
[54] **ROBINET ET RESERVOIR(S) DE FLUIDE SOUS PRESSION**
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[72] FRENAL, ANTOINE, FR
[72] MULLER, DENIS, FR
[72] PAOLI, HERVE, FR
[72] LAMIABLE, MORGAN, FR
[72] BROECHLER, JOHAN, FR
[72] DI FILIPPO, CLAUDIO, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
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[87] (WO2019/068973)
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[54] **JOINT DE FIL GUIDE POUR SYSTEME ASPIRATEUR-IRRIGATEUR D'UN FORET**
[72] KIERSH, JEFF, US
[72] SHANE, CHRISTOPHER, US
[72] KERR, SEAN, US
[72] MOSES, TIMOTHY P,, US
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2020-04-03
[86] 2018-10-26 (PCT/US2018/057624)
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[54] **VALVE AND RESERVOIR(S) FOR PRESSURIZED FLUID**
[54] **ROBINET ET RESERVOIR(S) DE FLUIDE SOUS PRESSION**
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[72] FRENAL, ANTOINE, FR
[72] MULLER, DENIS, FR
[72] PAOLI, HERVE, FR
[72] LAMIABLE, MORGAN, FR
[72] BROECHLER, JOHAN, FR
[72] DI FILIPPO, CLAUDIO, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2020-04-03
[86] 2018-08-02 (PCT/FR2018/052002)
[87] (WO2019/068974)
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[30] FR (1701025) 2017-10-05

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[51] **Int.Cl. E04B 1/343 (2006.01) E04B 1/348 (2006.01) E04H 1/00 (2006.01)**
[25] EN
[54] **MODULAR HOUSING SYSTEM**
[54] **SYSTEME DE LOGEMENT MODULAIRE**
[72] MULLANEY, RYAN JARVIS, AU
[72] HOWELL, JAMES RICHARD, AU
[72] MULLANEY, NICHOLAS BRUCE, AU
[71] LIFTING POINT CONSTRUCTION TECHNOLOGIES PTY LTD, AU
[85] 2020-04-06
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[25] EN
[54] **VALVE AND RESERVOIR(S) FOR PRESSURIZED FLUID**
[54] **ROBINET ET RESERVOIR(S) DE FLUIDE SOUS PRESSION**
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[72] FRENAL, ANTOINE, FR
[72] MULLER, DENIS, FR
[72] PAOLI, HERVE, FR
[72] LAMIABLE, MORGAN, FR
[72] BROECHLER, JOHAN, FR
[72] DI FILIPPO, CLAUDIO, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2020-04-03
[86] 2018-08-02 (PCT/FR2018/052003)
[87] (WO2019/068975)
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[25] EN
[54] **SOLID STATE MULTI-POLE AND UNI-POLE ELECTRIC GENERATOR ROTOR FOR AC/DC ELECTRIC GENERATORS**
[54] **ROTOR DE GENERATEUR ELECTRIQUE MULTIPOLAIRE ET UNIPOLAIRE A SEMI-CONDUCTEUR POUR GENERATEURS ELECTRIQUES CA/CC**
[72] HOLCOMB, ROBERT RAY, US
[71] HOLCOMB SCIENTIFIC RESEARCH LIMITED, US
[85] 2020-04-06
[86] 2017-11-17 (PCT/EP2017/079687)
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[25] EN
[54] **A FITTING**
[54] **RACCORD**
[72] DAVIDSON, RODERICK JOHN, AU
[72] DAVIDSON, NICOLE SUSAN, AU
[71] DAVIDSON, RODERICK JOHN, AU
[71] DAVIDSON, NICOLE SUSAN, AU
[85] 2020-04-06
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[51] **Int.Cl. F16K 35/02 (2006.01) F16K 1/30 (2006.01) F16K 1/44 (2006.01) F16K 31/524 (2006.01) F16K 31/60 (2006.01) F16K 35/14 (2006.01) F17C 13/04 (2006.01)**
[25] EN
[54] **VALVE AND RESERVOIR(S) FOR PRESSURIZED FLUID**
[54] **ROBINET ET RESERVOIR(S) DE FLUIDE SOUS PRESSION**
[72] VIGNEROL, SAMUEL, FR
[72] FRENAL, ANTOINE, FR
[72] MULLER, DENIS, FR
[72] PAOLI, HERVE, FR
[72] LAMIABLE, MORGAN, FR
[72] BROECHLER, JOHAN, FR
[72] DI FILIPPO, CLAUDIO, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2020-04-03
[86] 2018-08-02 (PCT/FR2018/052005)
[87] (WO2019/068977)
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[30] FR (1701025) 2017-10-05

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[51] **Int.Cl. A01D 34/53 (2006.01) A01D 34/74 (2006.01)**
[25] EN
[54] **HELICAL-BLADED CUTTING REEL**
[54] **BOBINE DE COUPE A LAMES HELICOIDALES**
[72] MCKELLAR, AARON, CA
[72] INGRAM, ERIK, CA
[72] HEYWOOD, JOE, CA
[72] KLOSSOK, RUDI, CA
[72] ELLISON, JAMES, CA
[71] ETEROS TECHNOLOGIES INC., CA
[85] 2020-04-06
[86] 2018-10-26 (PCT/CA2018/000200)
[87] (WO2019/079876)
[30] US (15/796,157) 2017-10-27
[30] US (15/804,416) 2017-11-06

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 51/10 (2006.01)**
[25] EN
[54] **NUCLEIC ACID-BINDING PHOTOPROBES AND USES THEREOF**
[54] **PHOTOSONDES DE LIAISON A UN ACIDE NUCLEIQUE ET LEURS UTILISATIONS**
[72] KUMARAVEL, GNANASAMBANDAM, US
[72] PETTER, JENNIFER C., US
[72] BLAIN, JONATHAN CRAIG, US
[72] CHIN, DONOVAN NOEL, US
[72] FANG, CHAO, US
[72] MUKHERJEE, HERSCHEL, US
[72] KUBICA, NEIL, US
[71] ARRAKIS THERAPEUTICS, INC., US
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[51] **Int.Cl. G01M 99/00 (2011.01) C02F 1/00 (2006.01) G01N 37/00 (2006.01) C12M 1/34 (2006.01)**
[25] EN
[54] **DECISION SUPPORT SYSTEM AND METHOD FOR WATER TREATMENT**
[54] **SYSTEME ET PROCEDE D'AIDE A LA DECISION DESTINES A UN TRAITEMENT D'EAU**
[72] WHALEN, PATRICK ANDREW, CA
[72] SCHMIDT, JORDAN JEREMY, CA
[71] LUMINULTRA TECHNOLOGIES LTD., CA
[85] 2020-04-06
[86] 2018-10-29 (PCT/CA2018/051365)
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[30] US (62/579,263) 2017-10-31

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[51] **Int.Cl. E21B 33/12 (2006.01) C09K 8/42 (2006.01) E21B 33/13 (2006.01)**
[25] EN
[54] **P&A SETTING WITH EXOTHERMIC MATERIAL**
[54] **REGLAGE P&A AVEC MATERIAU EXOTHERMIQUE**
[72] SHAFER, RANDALL S., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2020-04-03
[86] 2018-12-13 (PCT/US2018/065446)
[87] (WO2019/118724)
[30] US (62/598,680) 2017-12-14
[30] US (16/219,010) 2018-12-13

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[51] **Int.Cl. F04D 25/08 (2006.01) A41D 13/018 (2006.01)**
[25] EN
[54] **RAPID INFLATING AND DISCHARGING DEVICE FOR PROTECTIVE SUIT AND INTELLIGENT MULTI-PURPOSE PROTECTIVE SUIT COMPRISING SAME**
[54] **DISPOSITIF DE GONFLAGE ET D'EVACUATION RAPIDE POUR TENUE DE PROTECTION ET TENUE DE PROTECTION MULTIFONCTION INTELLIGENTE COMPRENANT CELUI-CI**
[72] SUN, YINGUI, CN
[72] ZHOU, HUI ELIZABETH, CN
[72] WANG, SHIGUO, CN
[72] ZHANG, SAI, CN
[71] BEIJING MKS RESEARCH INSTITUTE, CN
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[86] 2017-10-09 (PCT/CN2017/105381)
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[51] **Int.Cl. H04R 1/10 (2006.01)**
[25] EN
[54] **A NOISE REDUCTION AIR TUBE MICROPHONE, NOISE-REDUCTION SAFE HEADSET AND NOISE-REDUCTION SAFE BLUETOOTH HEADSET**
[54] **MICROPHONE A CONDUIT D'AIR A REDUCTION DE BRUIT, ECOUTEUR A REDUCTION DE BRUIT SECURISE, ET ECOUTEUR BLUETOOTH A REDUCTION DE BRUIT SECURISE**
[72] ZHU, AIDAO, CN
[71] ZHU, AIDAO, CN
[85] 2020-04-06
[86] 2018-10-08 (PCT/CN2018/000348)
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[25] EN
[54] **STABILIZED STEVIOL GLYCOSIDE COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS DE GLYCOSIDE DE STEVIOL STABILISEES ET LEURS UTILISATIONS**
[72] GASPARD, DAN S., US
[72] ZARTH, ADAM T., US
[71] CARGILL, INCORPORATED, US
[85] 2020-04-03
[86] 2018-10-05 (PCT/US2018/054696)
[87] (WO2019/071187)
[30] US (62/569,279) 2017-10-06
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[25] EN
[54] **POROUS CARRIER SYSTEM FOR REDUCING THE EMISSION OF FORMALDEHYDE IN A WOOD-BASED MATERIAL**
[54] **SYSTEME DE SUPPORT POREUX DESTINE A REDUIRE L'EMISSION DE FORMALDEHYDE DANS UN MATERIAU DERIVE DU BOIS**
[72] KAISERGRUBER, THERESA, AT
[72] MITTER, ROLAND, AT
[71] FRITZ EGGER GMBH & CO. OG, AT
[85] 2020-04-06
[86] 2018-10-04 (PCT/EP2018/077064)
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[51] **Int.Cl. B29B 15/12 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR IMPREGNATING FIBRE BUNDLES WITH A POLYMER MELT**
[54] **DISPOSITIF ET PROCEDE SERVANT A IMPREGNER DES FAISCEAUX DE FIBRES D'UNE MATIERE FONDUE DE POLYMERE**
[72] GROSS, DIETER, DE
[72] JOST, SEBASTIAN, DE
[71] FEDDEM GMBH & CO. KG, DE
[85] 2020-04-06
[86] 2018-10-05 (PCT/EP2018/077179)
[87] (WO2019/076653)
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[25] EN
[54] **DIRECTIONAL DRILLING**
[54] **FORAGE DIRIGE**
[72] DINEEN, MICHAEL, IE
[71] PRIORITY DRILLING LTD, IE
[85] 2020-04-06
[86] 2018-10-08 (PCT/EP2018/077367)
[87] (WO2019/068938)
[30] GB (1716427.8) 2017-10-06

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[51] **Int.Cl. A61K 47/18 (2017.01) A61K 9/00 (2006.01) A61K 36/00 (2006.01) A61K 36/185 (2006.01) A61K 47/02 (2006.01) A61K 47/38 (2006.01) A61K 47/44 (2017.01)**
[25] EN
[54] **RAPID ONSET AND EXTENDED ACTION PLANT-BASED AND SYNTHETIC CANNABINOID FORMULATIONS**
[54] **FORMULATIONS DE CANNABINOIDES SYNTHETIQUES ET A BASE DE PLANTE, A EFFET RAPIDE ET A ACTION PROLONGEE**
[72] LEONE-BAY, ANDREA, US
[72] WESNER, GREGORY, US
[71] RECEPTOR HOLDINGS, INC., US
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[86] 2018-10-05 (PCT/US2018/054733)
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[51] **Int.Cl. A61B 18/14 (2006.01)**
[25] EN
[54] **AN ELECTRODE FOR AN ELECTROSURGICAL PENCIL AND A METHOD OF MAKING AN ELECTRODE**
[54] **ELECTRODE POUR UN CRAYON ELECTROCHIRURGICAL ET PROCEDE DE FABRICATION D'UNE ELECTRODE**
[72] SIMONSEN, JESPER SCHANTZ, DK
[71] STRYKER EUROPEAN OPERATIONS LIMITED, IE
[85] 2020-04-06
[86] 2018-10-09 (PCT/EP2018/077430)
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[30] EP (17195450.6) 2017-10-09

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[25] EN
[54] **MULTI-COMPONENT EPOXY RESIN COMPOUND WITH LEAKAGE INDICATOR, AND CURING COMPONENT FOR THE EPOXY RESIN COMPOUND**
[54] **MATIERE RESINE EPOXY A PLUSIEURS COMPOSANTS ET COMPOSANTS DURCISSEURS POUR LA MATIERE RESINE EPOXY**
[72] BORNSCHLEGL, ALEXANDER, DE
[71] HILTI AKTIENGESELLSCHAFT, LI
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[54] **HEAT TRANSFER COMPOSITIONS, METHODS AND SYSTEMS**
[54] **COMPOSITIONS, PROCEDES ET SYSTEMES DE TRANSFERT DE CHALEUR**
[72] SETHI, ANKIT, US
[72] YANA MOTTA, SAMUEL F., US
[72] RICHARD, ROBERT GERARD, US
[72] SMITH, GREGORY LAURENCE, US
[72] ZOU, YANG, US
[72] TANGRI, HENNA, US
[72] VERA BECERRA, EILZABET DEL CARMEN, US
[72] HULSE, RYAN, US
[71] HONEYWELL INTERNATIONAL INC., US
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[54] **APPARATUSES AND METHODS FOR A ROTATING OPTICAL REFLECTOR**
[54] **APPAREILS ET PROCEDES DE REFLECTEUR OPTIQUE ROTATIF**
[72] ROOS, PETER AARON, US
[72] THORPE, MICHAEL JAMES, US
[72] KREITINGER, AARON THOMAS, US
[72] WILSON, CHRISTOPHER RAY, US
[71] BRIDGER PHOTONICS, INC., US
[85] 2020-04-03
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[25] EN
[54] **FALL ARREST SYSTEM**
[54] **SYSTEME ANTICHUTE**
[72] PERRIN, DAVID, CA
[72] ROSSEN, MATTHIAS, CA
[72] FREHLICH, BRAD, CA
[72] PURDY, DOUGLAS, CA
[72] GATIN, DAYNA, CA
[72] LUND, DAVID, CA
[71] NORTHERN STRANDS CO. LTD., CA
[85] 2020-04-06
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[25] EN
[54] **IMPLANTABLE DEPOTS FOR THE CONTROLLED RELEASE OF THERAPEUTIC AGENTS**
[54] **DEPOTS IMPLANTABES POUR LA LIBERATION CONTROLEE D'AGENTS THERAPEUTIQUES**
[72] NAGA, KARUN D., US
[72] BOYD, STEPHEN W., US
[72] RUANE, PATRICK H., US
[72] HANCOCK, JACKIE JOE, US
[72] FELDSTEIN, MICHAEL, US
[72] TEU, KOON KIAT, SG
[72] WANG, HONGLEI, SG
[72] LUO, JINGNAN, SG
[72] SEET, DANIEL BOON LIM, SG
[72] GIFFORD, HANSON S., III, US
[71] FOUNDRY THERAPEUTICS, INC., US
[85] 2020-04-03
[86] 2018-10-06 (PCT/US2018/054777)
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[30] US (62/569,349) 2017-10-06
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[54] **METHOD AND APPARATUS FOR FILTERING FLUID IN NUCLEAR POWER GENERATION**
[54] **PROCEDE ET APPAREIL POUR FILTRER UN FLUIDE DANS LA GENERATION D'ENERGIE NUCLEAIRE**
[72] DAM, RICHARD, CA
[72] CUSSAC, FRANCOIS, CA
[72] XU, JIAN, CA
[72] WANG, WEI YAN, CA
[72] LAM, WING FAI, CA
[71] CANDU ENERGY INC., CA
[85] 2020-04-06
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[54] **SEALING DEVICE FOR CONSTRUCTION, COMPRISING A DUCT AND CONNECTION MEMBER**
[54] **DISPOSITIF D'ETANCHEITE POUR LE BATIMENT, COMPRENANT UN CONDUIT ET UN ORGANE DE LIAISON**
[72] IFTISSEN, GERARD, FR
[71] IFTISSEN, GERARD, FR
[85] 2020-04-06
[86] 2018-10-09 (PCT/FR2018/052485)
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[54] **A SYSTEM AND METHOD FOR QUANTUM-SAFE AUTHENTICATION, ENCRYPTION AND DECRYPTION OF INFORMATION**
[54] **SYSTEME ET PROCEDE D'AUTHENTIFICATION, DE CHIFFREMENT, ET DE DECHIFFREMENT D'INFORMATIONS, A SECURITE QUANTIQUE**
[72] FRITH, RAILTON, GB
[72] NEWTON, OLIVIER FRANCOIS ROUSSY, CA
[72] DEONARINE, ANDREW, CA
[72] NEWTON, NICOLAS ALEXANDRE ROUSSY, CA
[71] NOVUS PARADIGM TECHNOLOGIES CORPORATION, CA
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[25] EN
[54] **NETWORK INTERFACE DEVICE**
[54] **DISPOSITIF D'INTERFACE RESEAU**
[72] BAILEY, PAUL, US
[71] PPC BROADBAND, INC., US
[85] 2020-04-03
[86] 2018-10-09 (PCT/US2018/054917)
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[25] EN
[54] **LITHOGRAPHIC METHOD, LITHOGRAPHIC PRODUCT AND LITHOGRAPHIC MATERIAL**
[54] **PROCEDE DE PHOTOLITHOGRAPHIE, PRODUIT DE PHOTOLITHOGRAPHIE ET MATERIAU DE PHOTOLITHOGRAPHIE**
[72] WANG, LIJIANG, CN
[72] WANG, WEI, CN
[72] ZHU, SONG, CN
[71] SHANGHAI BIXIUFU ENTERPRISE MANAGEMENT CO., LTD., CN
[85] 2020-04-06
[86] 2018-10-23 (PCT/CN2018/111325)
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[25] EN
[54] **NEW PROCESS**
[54] **NOUVEAU PROCEDE**
[72] HOLMBERG, PAR, US
[72] EKLUND, LARS, US
[72] ADAMS, DAVID, US
[72] LETOURNEAU, MICHAEL, US
[72] EEK, MARGUS, US
[72] SOONE, ALO, US
[71] CAMBREX CHARLES CITY, INC., US
[85] 2020-04-06
[86] 2018-10-12 (PCT/GB2018/052929)
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[25] EN
[54] **SAGD SALINE WATER SYSTEM OPTIMIZATION**
[54] **OPTIMISATION DE SYSTEME D'EAU SALEE PAR DGMV**
[72] KANNAN, MURUGAVEL, US
[72] SHARMA, RAMESH, US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2020-04-03
[86] 2018-10-10 (PCT/US2018/055286)
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[25] EN
[54] **CAPILLARY DIALYZER**
[54] **DIALYSEUR CAPILLAIRE**
[72] LOERCHER, JOACHIM, DE
[72] EICHINGER, JUERGEN, DE
[72] BUCK, REINHOLD, DE
[72] WOCHNER, ARND, DE
[71] GAMBRO LUNDIA AB, SE
[85] 2020-04-06
[86] 2018-12-10 (PCT/EP2018/084128)
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[25] EN
[54] **PYRIDINE, PYRAZINE, AND TRIAZINE COMPOUNDS AS ALLOSTERIC SHP2 INHIBITORS**
[54] **PYRIDINE, PYRAZINE ET COMPOSES DE TRIAZINE UTILISES EN TANT QU'INHIBITEURS ALLOSTERIQUES DE SHP2**
[72] LI, JIE JACK, US
[71] REVOLUTION MEDICINES, INC., US
[85] 2020-04-03
[86] 2018-10-11 (PCT/US2018/055502)
[87] (WO2019/075265)
[30] US (62/571,760) 2017-10-12
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[54] **PROPULSION IN GRANULAR MEDIA**
[54] **PROPULSION DANS DES MILIEUX GRANULAIRES**
[72] CONTI, LORENZO, GB
[71] CROVER LTD, GB
[85] 2020-04-06
[86] 2018-10-31 (PCT/GB2018/053157)
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[51] **Int.Cl. B65H 18/00 (2006.01)**
[25] EN
[54] **METHOD AND PLANT FOR PRODUCING LOGS OF THIN PRODUCTS**
[54] **PROCEDE ET USINE POUR PRODUIRE DES BLOCS DE PRODUITS MINCES**
[72] PUCCIONI, GIOVANNI, IT
[72] VERGENTINI, FRANCESCO, IT
[71] ITALIA TECHNOLOGY ALLIANCE S.R.L., IT
[85] 2020-04-06
[86] 2018-10-04 (PCT/IB2018/057728)
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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/426 (2006.01)**
[25] EN
[54] **MODIFIED RELEASE TABLET COMPOSITION COMPRISING MIRABEGRON**
[54] **COMPOSITION DE COMPRIME A LIBERATION MODIFIEE COMPRENANT DU MIRABEGRON**
[72] FERNANDEZ PENA, AGNES, ES
[72] BACKERS, ONNE PETER HILBERT, NL
[72] VELADA CALZADA, JOSE, NL
[71] SYNTHON B.V., NL
[85] 2020-04-06
[86] 2017-12-14 (PCT/EP2017/082896)
[87] (WO2019/072404)
[30] EP (17196234.3) 2017-10-12
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[51] **Int.Cl. C09K 8/02 (2006.01) C09K 8/03 (2006.01) C09K 8/06 (2006.01) C09K 8/36 (2006.01)**
[25] EN
[54] **DRILLING FLUID FORMULATIONS AND METHODS THEREOF**
[54] **FORMULATIONS DE FLUIDE DE FORAGE ET PROCEDES ASSOCIES**
[72] MOHAMED ALI, MAHABOOB SUBHAHANI, IN
[72] AHMAD, FAIZAN, IN
[71] OREN HYDROCARBONS PRIVATE LIMITED, IN
[85] 2020-04-06
[86] 2018-10-05 (PCT/IB2018/057749)
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[30] IN (201741035396) 2017-10-05

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[25] EN
[54] **FORMULATIONS FOR ENTERIC DELIVERY OF THERAPEUTIC AGENTS**
[54] **FORMULATIONS DESTINEES A L'ADMINISTRATION ENTERIQUE D'AGENTS THERAPEUTIQUES**
[72] JAVERI. INDU, US
[72] NELLAIAPPAN, KALIAPPANADAR, US
[71] CURIRX INC., US
[85] 2020-04-06
[86] 2017-10-12 (PCT/US2017/056320)
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[25] EN
[54] **METHOD FOR PRODUCING A PRECOATED STEEL SHEET AND ASSOCIATED SHEET**
[54] **PROCEDE DE FABRICATION D'UNE TOLE D'ACIER PRE-REVETUE ET TOLE ASSOCIEE**
[72] SCHMIT, FRANCIS, FR
[72] BERNARDI, QUENTIN, FR
[71] ARCELORMITTAL, LU
[85] 2020-04-06
[86] 2018-10-19 (PCT/IB2018/058129)
[87] (WO2019/077560)
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[25] EN
[54] **SENSOR NETWORK NODE SYSTEM WITH ENERGY HARVESTING PICKUP/RECEIVER**
[54] **SYSTEME DE N□UD DE RESEAU DE CAPTEURS A CAPTEUR/RECEPTEUR DE RECUPERATION D'ENERGIE**
[72] LAFAYETTE, PHILLIP J., US
[72] HOLZ, MICHAEL H., US
[71] MH ELECTRIC MOTOR & CONTROL CORP., US
[85] 2020-04-03
[86] 2018-10-15 (PCT/US2018/055952)
[87] (WO2019/079213)
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[25] EN
[54] **SENSOR FOR A NUCLEAR MAGNETIC RESONANCE DEVICE**
[54] **CAPTEUR POUR UN DISPOSITIF DE RESONANCE DE SPIN NUCLEAIRE**
[72] KRAPF, REINER, DE
[72] HOFFMANN, ULLI, DE
[72] LEDWIG, MICHAEL, DE
[72] WINTZHEIMER, STEFAN, DE
[72] DRIESLE, TONI, DE
[71] ROBERT BOSCH GMBH, DE
[85] 2020-04-06
[86] 2018-09-26 (PCT/EP2018/076125)
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[30] DE (10 2017 217 875.2) 2017-10-09

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[25] EN
[54] **BULLET-PROOF ELECTRICAL DEVICE**
[54] **APPAREIL ELECTRIQUE BLINDE**
[72] MARBLER, HANNES, AT
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-04-06
[86] 2018-09-28 (PCT/EP2018/076479)
[87] (WO2019/076610)
[30] DE (10 2017 218 624.0) 2017-10-18

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[54] **HYDRATION AND AIR COOLING SYSTEM**
[54] **SYSTEME D'HYDRATATION ET DE REFROIDISSEMENT D'AIR**
[72] JAEGER, EDUARD ALBERT, US
[72] STAHL, ROBERT GREGORY, US
[72] BOWLES, JACOB TIMM, US
[71] RAINMAKER SOLUTIONS, INC., US
[85] 2020-04-06
[86] 2017-11-17 (PCT/US2017/062287)
[87] (WO2018/094202)
[30] US (62/423,430) 2016-11-17
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[51] **Int.Cl. C08L 23/12 (2006.01)**
[25] EN
[54] **FIBER REINFORCED POLYPROPYLENE COMPOSITION**
[54] **COMPOSITION DE POLYPROPYLENE RENFORCEE PAR DES FIBRES**
[72] JERABEK, MICHAEL, AT
[72] STOCKREITER, WOLFGANG, AT
[72] LUMMERSTORFER, THOMAS, AT
[71] BOREALIS AG, AT
[85] 2020-04-06
[86] 2018-12-04 (PCT/EP2018/083402)
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[30] EP (17205456.1) 2017-12-05

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[13] A1
[51] **Int.Cl. B25J 9/16 (2006.01) B25J 13/02 (2006.01)**
[25] EN
[54] **TELEOPERATION SYSTEMS, METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM**
[54] **SYSTEMES DE TELEOPERATION, PROCEDE, APPAREIL ET SUPPORT D'INFORMATIONS LISIBLE PAR ORDINATEUR**
[72] FATTEY, MICHAEL, US
[72] MEULEMAN, JOS, NL
[72] REY, GONZALO, US
[71] MOOG INC., US
[85] 2020-04-06
[86] 2018-10-05 (PCT/US2018/054577)
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[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/506 (2006.01) A61K 31/541 (2006.01) A61P 37/06 (2006.01) C07D 401/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 453/02 (2006.01) C07D 491/048 (2006.01) C07D 491/08 (2006.01)**
[25] EN
[54] **PYRIMIDINE TBK/IKK.EPSILON. INHIBITOR COMPOUNDS AND USES THEREOF**
[54] **COMPOSES INHIBITEURS DE PYRIMIDINE TBK/IKK.EPSILON. ET LEURS UTILISATIONS**
[72] KARRA, SRINIVASA R., US
[72] XIAO, YUFANG, US
[72] SHERER, BRIAN A., US
[71] MERCK PATENT GMBH, DE
[85] 2020-04-03
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[25] EN
[54] **REINFORCED SHEATH FOR A STEERABLE SHEATH ASSEMBLY**
[54] **GAINE RENFORCEE POUR ENSEMBLE GAINE ORIENTABLE**
[72] THOMPSON SMITH, MELANIE, CA
[72] GODARA, NEIL, CA
[72] BRANNICK, ROS, CA
[72] CHAN, AUDREY, CA
[72] CHEN, JAN-HUNG, CA
[72] FRONCIONI, MICHAEL, CA
[72] KEAVENEY, LUKE, CA
[72] MA, BRIAN, CA
[72] MULLIGAN, DAVID, IE
[72] ZHANG, ALICE, CA
[71] BAYLIS MEDICAL COMPANY INC., CA
[85] 2020-04-06
[86] 2018-10-05 (PCT/IB2018/057765)
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[30] US (62/569,346) 2017-10-06

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[25] EN
[54] **LOW FOOTPRINT RESONATOR IN FLIP CHIP GEOMETRY**
[54] **RESONATEUR A FAIBLE ENCOMBREMENT DANS UNE GEOMETRIE DE PUCE RETOURNEE**
[72] KELLY, JULIAN SHAW, US
[72] JEFFREY, EVAN, US
[71] GOOGLE LLC, US
[85] 2020-04-06
[86] 2017-10-05 (PCT/US2017/055265)
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[51] **Int.Cl. D21H 11/18 (2006.01) D21H 11/20 (2006.01)**
[25] EN
[54] **OXYGEN BARRIER FILM**
[54] **FILM BARRIERE CONTRE L'OXYGENE**
[72] KNOOS, ISABEL, SE
[71] STORA ENSO OYJ, FI
[85] 2020-04-06
[86] 2018-10-09 (PCT/IB2018/057800)
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[30] SE (1751258-3) 2017-10-11

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[25] EN
[54] **PYRIMIDINE TBK/IKK.EPSILON. INHIBITOR COMPOUNDS AND USES THEREOF**
[54] **COMPOSES INHIBITEURS TBK/IKK.EPSILON. PYRIMIDINE ET LEURS UTILISATIONS**
[72] KARRA, SRINIVASA R., US
[72] XIAO, YUFANG, US
[72] SHERER, BRIAN A., US
[72] CHEKLER, EUGENE, US
[71] MECK PATENT GMBH, DE
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[54] **METHODS AND SYSTEM FOR SEMANTIC SEARCH IN LARGE DATABASES**
[54] **PROCEDES ET SYSTEME DE RECHERCHE SEMANTIQUE DANS DE GRANDES BASES DE DONNEES**
[72] KOVACS, BELA LORANT, HU
[72] JAGER, AKOS, HU
[71] NEGENTROPICS SZOFTVER ZRT., HU
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[54] **MATERIAL SUPPLY DEVICE AND SPOUT**
[54] **DISPOSITIF D'ALIMENTATION EN MATERIAU ET BEC**
[72] TANAKA, HIROHIKO, JP
[72] KIBE, HAJIME, JP
[72] OHNO, SHIGEYUKI, JP
[71] THREEBOND CO., LTD., JP
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[54] **METHOD, SYSTEM AND APPARATUS FOR NON-DESTRUCTIVE TESTING (NDT) OF ELECTRICAL POWER LINE SYSTEMS**
[54] **PROCEDE, SYSTEME ET APPAREIL DE TEST NON DESTRUCTIF (NDT) DE SYSTEMES DE LIGNE ELECTRIQUE**
[72] HILL, JAMES RONALD, CA
[72] DODDS, DONALD, CA
[72] ROGERS, JEFFREY VICTOR, CA
[72] STOCK, CALVIN EDWARD, CA
[72] NESBITT, BENJAMIN JOHN WILLIAM, CA
[71] QUANTA ASSOCIATES, L.P., US
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[54] **CLEFT-MALLET**
[54] **MAILLET FENDU**
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[71] MAGALI, SHACHAR, NL
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[54] **AUTHENTICATION OF A PERSON USING A VIRTUAL IDENTITY CARD**
[54] **AUTHENTIFICATION D'UNE PERSONNE A L'AIDE D'UNE CARTE D'IDENTITE VIRTUELLE**
[72] DE VOS, JOURI, NL
[72] VAN PROOIJEN, JOOST, NL
[72] WATTEBLED, CYRIL, FR
[72] BOUATOU, VINCENT, FR
[71] IDEMIA THE NETHERLANDS B.V., NL
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[54] **ENSEMBLES COMBINES DE BOULON A TETE PLATE ET D'ANCRAGE DE PROTECTION CONTRE LES CHUTES**
[72] BRANAGAN, MATTHEW F., US
[72] RUEDLINGER, JAMES, US
[72] JOHNSON, KERRY, US
[72] BEAUCHAMP, CHRISTIAN, US
[71] CROWN CASTLE USA INC., US
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[54] **INORGANIC PARTICLE COMPOSITE, METHOD FOR PRODUCING THE SAME, AND INORGANIC PARTICLE COMPOSITE DISPERSION**
[54] **COMPOSITE A PARTICULES INORGANIQUES, SA METHODE DE PRODUCTION ET DISPERSION DE COMPOSITE A PARTICULES INORGANIQUES**
[72] ARAO, YOSHIHIKO, JP
[72] KUBOUCHI, MASATOSHI, JP
[71] TOKYO INSTITUTE OF TECHNOLOGY, JP
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[54] **VALVE AND DEVICE FOR STORING AND DISPENSING PRESSURIZED FLUID**
[54] **ROBINET ET DISPOSITIF DE STOCKAGE ET DE DISTRIBUTION DE FLUIDE SOUS PRESSION**
[72] VIGNEROL, SAMUEL, FR
[72] FRENAL, ANTOINE, FR
[72] MULLER, DENIS, FR
[72] PAOLI, HERVE, FR
[72] ONDO, OLIVIER, FR
[72] LAMIABLE, MORGAN, FR
[72] BROECHLER, JOHAN, FR
[72] DI FILIPPO, CLAUDIO, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
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[54] **ROULETTE GAME CYCLE OPTIMIZATION AND BALL SELECTION**
[54] **OPTIMISATION DE CYCLE DE JEU DE ROULETTE ET SELECTION DE BILLE**
[72] BERGANT, URBAN, SI
[72] KROSELJ, PETER, SI
[72] PECECNIK, JOZE, SI
[72] ZABI, IVI, SI
[71] INTERBLOCK D.D., US
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[54] **DOUBLE-PLATE ROTARY BARREL PUMP**
[54] **POMPE A BARILLET ROTATIF AVEC DOUBLE PLATEAUX**
[72] TRICARD, JEAN, FR
[72] TROST, JULIEN, FR
[72] PAGNIER, PHILIPPE, FR
[71] IFP ENERGIES NOUVELLES, FR
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[54] **RAIDISSEUR DE CADRE DE PINCE DE PUISSANCE**
[72] WEDDLE, DWAYNE AUSTIN, US
[72] STEWART, RANDOLPH L., US
[71] ECKEL MANUFACTURING CO. INC., US
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[54] **SPHERICAL DEVICE PROVIDED WITH CONVEX SPLINES FOR FORMING A BALL-AND-SOCKET JOINT HAVING A FINGER, AND WOBBLE PUMP PROVIDED WITH SUCH A DEVICE**
[54] **DISPOSITIF DE FORME SPHERIQUE ET MUNI DE CANNELURES BOMBEES POUR FORMER UNE LIAISON ROTULE A DOIGT, ET POMPE A BARILLET MUNI D'UN TEL DISPOSITIF**
[72] TRICARD, JEAN, FR
[72] TROST, JULIEN, FR
[72] PAGNIER, PHILIPPE, FR
[71] IFP ENERGIES NOUVELLES, FR
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[54] **INHALATION DEVICE**
[54] **DISPOSITIF D'INHALATION**
[72] DOMENICI, DEREK, US
[71] DOMENICI, DEREK, US
[85] 2020-04-06
[86] 2018-11-06 (PCT/US2018/054518)
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[25] EN
[54] **DEPOT CHARGING OF AN ELECTRIC VEHICLE FLEET**
[54] **CHARGE EN DEPOT D'UNE FLOTTE DE VEHICULES ELECTRIQUES**
[72] GRACE, DUSTIN, US
[72] SINGHAL, RAJIV, US
[72] LALLJIE, ANDRE, US
[72] PEVEAR, BRIAN, US
[72] BLAZAK, THOMAS, US
[72] MCGRATH, SEAMUS, US
[72] GERBER, JOHN, US
[72] INNES, ROGER, US
[71] PROTERRA INC., US
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[25] EN
[54] **COMPOSITION, AND THREADED CONNECTION FOR PIPES OR TUBES INCLUDING LUBRICANT COATING LAYER FORMED FROM THE COMPOSITION**
[54] **COMPOSITION ET JOINT FILETE POUR TUYAUX POURVU D'UNE COUCHE DE FILM DE REVETEMENT LUBRIFIANT QUI EST FORMEE A PARTIR DE LADITE COMPOSITION**
[72] GOTO, KUNIO, JP
[71] NIPPON STEEL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2020-04-06
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[25] EN
[54] **CABINET WITH PULL-OUT SHELVES AND RELATED PULL-OUT MECHANISM WITH IMPROVED GUIDE**
[54] **ARMOIRE A ETAGERES EXTRACTIBLES ET MECANISME D'EXTRACTION ASSOCIE A GUIDE AMELIORE**
[72] TROMBETTONI, ROBERTO, IT
[72] SILVI, EMANUELE, IT
[71] INOXA SRL, IT
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[54] **GRAPPLE**
[54] **GRAPPIN**
[72] COLBRAN, GRANT DYSON, NZ
[72] WRIGHT, MURRAY GRAEME, NZ
[72] NAM LE, HUU, NZ
[71] S E C ENGINEERING AND DESIGN LIMITED, NZ
[85] 2020-04-06
[86] 2018-10-08 (PCT/NZ2018/050138)
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[25] EN
[54] **EPIDERMAL GROWTH FACTOR RECEPTOR INHIBITORS**
[54] **INHIBITEURS DU RECEPTEUR DE FACTEUR DE CROISSANCE EPIDERMIQUE**
[72] ZAVIALOV, KIRILL VADIMOVICH, RU
[72] GORBUNOVA, SVETLANA LEONIDOVNA, RU
[72] SHEKHAUTSOU, ARTSIOM EVGENIEVICH, BY
[72] KASATKINA, MARIIA ANDREEVNA, RU
[72] BEKETOVA, DARIA DMITRIEVNA, RU
[72] KOZHEMYAKINA, NATALIA VLADIMIROVNA, RU
[72] KULISH, KIRILL IGOREVICH, RU
[72] MAKSIMENKO, ELENA ALEKSANDROVNA, RU
[72] MELESHINA, MARINA VIKTOROVNA, RU
[72] MELCHAEVA, OLGA ANATOLEVNA, RU
[72] MINDICH, ALEKSEI LEONIDOVICH, RU
[72] MOROZOV, DMITRY VALENTINOVICH, RU
[72] POPKOVA, ALEKSANDRA VLADIMIROVNA, RU
[72] SMETANIN, ILIA ALEXEEVICH, RU
[72] SILONOV, SERGEY ALEKSANDROVICH, RU
[72] SOLDATOVA, IAROSLAVNA ALEXANDROVNA, RU
[72] IAKOBSON, GEORGII VIKTOROVICH, RU
[71] JOINT STOCK COMPANY "BIOCAD", RU
[85] 2020-04-06
[86] 2018-10-05 (PCT/RU2018/050122)
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[54] **STEEL SUITABLE FOR HOT WORKING TOOLS**
[54] **ACIER APPROPRIE POUR DES OUTILS DE FORMAGE A CHAUD**
[72] EJNERMARK, SEBASTIAN, SE
[72] OIKONOMOU, CHRISTOS, SE
[72] TONNBERG, OLOF, SE
[72] KARAMCHEDU, VENKATA SESHENDRA, SE
[72] OLIVER, RICHARD, SE
[71] UDDEHOLMS AB, SE
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[86] 2018-10-05 (PCT/SE2018/051022)
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[51] **Int.Cl. E21B 47/12 (2012.01) E21B 17/00 (2006.01) H04B 7/24 (2006.01)**
[25] EN
[54] **MULTIPLE TUBING-SIDE ANTENNAS OR CASING-SIDE ANTENNAS FOR MAINTAINING COMMUNICATION IN A WELLBORE**
[54] **ANTENNES COTE COLONNE DE PRODUCTION OU ANTENNES COTE TUBAGE MUTLIPLES DESTINEES A MAINTENIR LA COMMUNICATION DANS UN PUITS DE FORAGE**
[72] HAGEN, TROND, NO
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-04-06
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[54] **TIM-3 ANTAGONISTS FOR THE TREATMENT AND DIAGNOSIS OF CANCERS**
[54] **ANTAGONISTES DE TIM-3 POUR LE TRAITEMENT ET LE DIAGNOSTIC DE CANCERS**
[72] KLIPPEL, ANKE, US
[72] MENARD, LAURENCE CELINE, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2020-04-06
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[54] **MEDICAL VALVE AND LEAFLET PROMOTING TISSUE INGROWTH**
[54] **VALVE MEDICALE ET FEUILLET FAVORISANT L'INTERPOSITION TISSULAIRE**
[72] BUSALACCHI, KARL, US
[72] CAMPBELL, BENJAMIN D., US
[72] COLAVITO, KYLE W., US
[72] CONWAY, CARL M., US
[72] HARTMAN, CODY L., US
[72] MANYGOATS, ROY, JR., US
[72] MYERS, FRANK E., US
[72] PHAM, VI T., US
[72] SPRINKLE, JOSHUA A., US
[72] WARLOP, DAVID M., US
[72] BENNETT, NATHAN L., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2020-04-06
[86] 2018-09-12 (PCT/US2018/050769)
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[30] US (62/579,760) 2017-10-31
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[54] **VALVED CONDUIT**
[54] **CONDUIT A CLAPET**
[72] COLAVITO, KYLE W., US
[72] FIELD, EDWIN W., US
[72] BURNS-HEFFNER, COLIN T., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2020-04-06
[86] 2018-09-12 (PCT/US2018/050771)
[87] (WO2019/089137)
[30] US (62/579,752) 2017-10-31
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[54] **PROSTHETIC HEART VALVE**
[54] **VALVE CARDIAQUE PROTHETIQUE**
[72] BENNETT, NATHAN L., US
[72] SPRINKLE, JOSHUA A., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2020-04-06
[86] 2018-09-12 (PCT/US2018/050779)
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[30] US (62/579,763) 2017-10-31
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[25] EN
[54] **THE USE OF A BENZOATE CONTAINING COMPOSITION TO TREAT GLYCINE ENCEPHALOPATHY**
[54] **UTILISATION D'UNE COMPOSITION CONTENANT DU BENZOATE POUR TRAITER L'ENCEPHALOPATHIE GLYCINIQUE**
[72] PAHAN, KALIPADA, US
[71] RUSH UNIVERSITY MEDICAL CENTER, US
[85] 2020-04-06
[86] 2018-09-26 (PCT/US2018/052879)
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[51] **Int.Cl. E21B 33/12 (2006.01) E21B 33/128 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SEALING A WELLBORE**
[54] **SYSTEMES ET DES PROCEDES D'ETANCHEISATION D'UN PUITS DE FORAGE**
[72] LEE, TIMMOTHY ALAIN, US
[72] MAGILL, JOSHUA, US
[71] G&H DIVERSIFIED MANUFACTURING LP, US
[85] 2020-04-06
[86] 2018-10-04 (PCT/US2018/054438)
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[30] US (62/569,447) 2017-10-06
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[25] EN
[54] **SYSTEMS AND METHODS FOR PRIVACY PRESERVING ACCURATE ANALYSIS OF NETWORK PATHS**
[54] **SYSTEMES ET PROCEDES POUR L'ANALYSE EXACTE DE TRAJETS DE RESEAU PRESERVANT LA CONFIDENTIALITE**
[72] NICOL, DAVID M., US
[71] NETWORK PERCEPTION, INC., US
[85] 2020-04-01
[86] 2018-10-15 (PCT/US2018/055963)
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[25] EN
[54] **GARMENT FASTENER AND METHOD FOR ASSEMBLING A GARMENT PORTION**
[54] **ATTACHE POUR VETEMENT ET PROCEDE D'ASSEMBLAGE D'UNE PARTIE DE VETEMENT**
[72] HARRIS, RICHARD H., US
[72] GRAY, ALYSHA, LYNN, US
[72] YORK, KATHRYN ANN, US
[71] LION GROUP, INC., US
[85] 2020-04-02
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[30] US (62/567,456) 2017-10-03
[30] US (62/575,823) 2017-10-23
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[51] **Int.Cl. E21B 23/06 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SETTING A DOWNHOLE PLUG**
[54] **SYSTEMES ET PROCEDES DE MISE EN PLACE D'UN BOUCHON DE FOND DE TROU**
[72] WELLS, JOE NOEL, US
[71] G&H DIVERSIFIED MANUFACTURING LP, US
[85] 2020-04-06
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[72] YOON, WENG LI, CN
[72] LEE, MING TSUNG, CN
[72] LI, JIAHAO, CN
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[54] **TABLE DE CRAPS A ACTION EN DIRECT AVEC STATION DE JOUEURS A DISTANCE EN MIROIR**
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[72] PECECNIK, JOZE, SI
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[72] KEK, EMIL, SI
[72] KOKORAVEC, ROK, SI
[72] KROSELJ, PETER, SI
[72] MAGDALENC, MATIC, SI
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[72] GUNDEL, DOUGLAS B., US
[72] RENFRO, COREY D., US
[72] DUTTA, RAMA RAJU B., US
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[54] **OPTIMISATION DE CYCLE DE JEU DE ROULETTE ET PROCEDES DE SYNCHRONISATION DE CYCLES DE JEU DE ROUES DE ROULETTE DOUBLES**
[72] BERLEC, SIMON, SI
[72] FINK, TOMAZ, SI
[71] INTERBLOCK D.D., SI
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[54] **OPTIMISATION DE CYCLE DE JEU DE ROULETTE ET PROCEDES DE REGLAGE D'UNE VITESSE DE ROTATION DE ROUE DE ROULETTE**
[72] BERGANT, URBAN, SI
[72] KROSELJ, PETER, SI
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[54] **PROCEDE MULTIZONE ET APPAREIL POUR LE TRAITEMENT DES EAUX USEES**
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[72] SILVER, MATTHEW, US
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[72] DORSON, MATTHEW, US
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[54] **PROCEDES ET SYSTEMES DE DETERMINATION D'INFORMATIONS HEMODYNAMIQUES POUR UN OU PLUSIEURS SEGMENTS ARTERIELS**
[72] SAMADY, HABIB, US
[72] VENEZIANI, ALESSANDRO, US
[72] GIDDENS, DON, US
[72] MOLONY, DAVID, US
[72] LEFIEUX, ADRIEN, US
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[54] **FORMULATION DE COMPRIME PHARMACEUTIQUE BICOUCHE**
[72] KAYE, JONATHAN LOUIS, GB
[71] VIIV HEALTHCARE COMPANY, US
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[54] **RECIPIENT DE LYOPHILISATION ET SON PROCEDE D'UTILISATION**
[72] WEIMER, KIRK L., US
[72] JOHNSON, NATE T., US
[72] HLAVINKA, DENNIS J., US
[72] PARAKININKAS, KESTAS P., US
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[54] **VEHICULE A DEUX ROUES POSSEDANT UN SYSTEME DE STABILISATION LINEAIRE**
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[72] LYNN, GREG, US
[72] EKMEKJIAN, NAZARETH, US
[72] KOTELOVA, ROSSITZA, US
[72] SMITH, JARROD, US
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[72] AMBLER, AMOS, US
[72] MURRAY, ANDREW, US
[72] WANG, JAMES, US
[72] ASMAT, CARLOS, US
[72] ELVANDER, JOSHUA, US
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[72] BOYER, SERGE HENRI, US
[72] DIELEMANS, HUBERTUS J.A., NL
[72] GONZALEZ DE CASTRO, ANGELA, NL
[72] DE VRIES, ANDREAS H. M., NL
[72] LEFORT, LAURENT, NL
[71] QPEX BIOPHARMA, INC., US
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[72] COFFEY, MARTIN, US
[72] MINARCIK, ALANNAH, US
[71] MEDLINE INDUSTRIES, INC., US
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[54] **PROCEDE DE REVETEMENT DE PRODUITS ALIMENTAIRES**
[72] BALLENGEE, JASON, US
[72] FRENCH, JUSTIN A., US
[72] TREZZA, THOMAS A., US
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[54] **VACCIN CONTRE LA PARODONTITE ET COMPOSITIONS ASSOCIEES ET PROCEDE D'UTILISATION**
[72] FAIRMAN, JEFFERY, US
[71] SUTROVAX, INC., US
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[54] **PROCEDES ET COMPOSITIONS A ADMINISTRATION TOPIQUE**
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[72] DAKE, MICHAEL D., US
[71] ILLUSTRIS PHARMACEUTICALS, INC., US
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[54] **MACHINE POLYVALENTE POUR TRAITEMENT DE SURFACE ET PROCEDE ASSOCIE**
[72] KENDALL, WILLIAM GARNET, US
[72] MCQUERREY, SEAN JOSEPH, US
[72] BURGESS, ROBERT DEAN, US
[72] ROSS, GARRON ALAN, US
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[72] HUDDLESTON, MATTHEW J., US
[72] PALMER, JOETTA RENEE, US
[72] STEFANCHIK, DAVID, US
[72] WAITES, DANIEL E., US
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[54] **PLATE-FORME ANALYTIQUE MICROFLUIDIQUE POUR DES IMMUNOESSAIS AUTONOMES**
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[72] FU, HAO, CA
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[54] **COUPLEUR D'ANTIGENES DE LYMPHOCYTES T A MUTATION Y182T ET PROCEDES ET UTILISATIONS DE CELUI-CI**
[72] HELSEN, CHRISTOPHER W., CA
[72] BRAMSON, JONATHAN, CA
[72] DVORKIN-GHEVA, ANNA, CA
[72] DENISOVA, GALINA F., CA
[72] BEZVERBNAYA, KSENIA, CA
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[71] MCMASTER UNIVERSITY, CA
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[54] **PROCEDES ET APPAREIL POUR COORDONNER LE FONCTIONNEMENT DE VANNES**
[72] JENSEN, KURTIS K., US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
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[54] **SYSTEME DE PURIFICATION D'EAU PAR OSMOSE INVERSE MULTIMODE TRANSPORTABLE**
[72] HULME, CLINTON W., US
[71] MAR COR PURIFICATION, INC., US
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[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'UNE SURFACE SUBMERGEE D'UNE STRUCTURE CIBLE**
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[72] JOST, PIERRE-OLIVIER, FR
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[54] **PROCEDE DE FABRICATION DE PAPIER OU DE CARTON**
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[72] HAEHNLE, HANS-JOACHIM, DE
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[72] ESSER, ANTON, DE
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[54] **SYSTEME UNIVERSEL DE GESTION DE PUISSANCE DE CHAUFFAGE**
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[72] SCHRAGE, HEINRICH, DE
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[72] LEVAC, RONALD ANDRE, CA
[71] INREALITY LIMITED, CN
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[54] **METHODS AND MEANS FOR SIMULTANEOUS CASING INTEGRITY EVALUATION AND CEMENT INSPECTION IN A MULTIPLE-CASING WELLBORE ENVIRONMENT**
[54] **PROCEDES ET MOYENS D'EVALUATION D'INTEGRITE DE TUBAGE ET D'INSPECTION DE CIMENT SIMULTANEES DANS UN ENVIRONNEMENT DE PUITS DE FORAGE A PLUSIEURS TUBAGES**
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[72] STEWART, ALEX, US
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[54] **MELANGEURS ACOUSTIQUES**
[72] JUBB, DANIEL, GB
[72] PRICE, MARK, GB
[72] PRICE, DAVID, GB
[72] LEWTAS, KENNETH, GB
[71] THE FALCON PROJECT LTD, GB
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[54] **AGENT MOUSSANT A BASE DE SEL D'AMINE ORGANIQUE**
[72] BI, GEHUA, CN
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[71] SHANDONG UNIVERSITY OF TECHNOLOGY, CN
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[54] **DISPOSITIF ET PROCEDE DE MESURE CAPACITIVE D'UN NIVEAU DE REMPLISSAGE D'UN MILIEU DE REMPLISSAGE**
[72] SCHULTHEIS, HOLGER, DE
[72] KODL, GEORG, DE
[71] BEDIA MOTORENTECHNIK GMBH & CO. KG, DE
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[71] NOVO NORDISK A/S, DK
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[54] **COMPOSES BICYCLIQUES DESTINES A ETRE UTILISES EN TANT QU'INHIBITEURS DE LA KINASE RIP1**
[72] CHEN, HUIFEN, US
[72] HAMILTON, GREGORY, US
[72] PATEL, SNAHEL, US
[72] ZHAO, GUILING, US
[72] DANIELS, BLAKE, US
[72] STIVALA, CRAIG, US
[71] F. HOFFMANN-LA ROCHE AG, CH
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[54] **INHIBITEURS DE TYROSINE KINASES MUTANTES DE LA FAMILLE DES EGFR**
[72] CHATURVEDUAL, PRASAD V., US
[72] KOLLI, PRASAD, US
[71] SPECTRUM PHARMACEUTICALS, INC., US
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[54] **SYSTEME ET PROCEDE DE GESTION ET DE SERVICE D'ESPACE DE STATIONNEMENT SUR LA BASE D'INFORMATIONS D'ETAT D'ESPACE DE STATIONNEMENT**
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[71] ROUTER TECHNOLOGIES (HANGZHOU) INC., CN
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[54] **PROCEDE DE NEGOCIATION DE CAPACITE DE QOS ENTRE UN EQUIPEMENT UTILISATEUR ET UNE FONCTION DE GESTION DE SESSION DANS UN SYSTEME 5G**
[72] LIU, JENNIFER, US
[71] NOKIA TECHNOLOGIES OY, FI
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[72] HANDLER, JONATHAN ALAN, US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
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[71] BAIYETE (SHANGHAI) SOFTWARE TECHNOLOGY CO., LTD, CN
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[54] **PROCEDE DE BOUCHAGE ET ABANDON PAR TUBE TRAVERSANT AVEC ALLIAGES DE BISMUTH**
[72] MUELLER, DAN, US
[72] TITLESTAD, GEIR OVE, NO
[72] HEARN, DAVID D., US
[72] BLOUNT, CURTIS G., US
[72] WATTS, RICK D., US
[72] SHAFER, RANDALL S., US
[72] DOHERTY, DALE R., US
[71] CONOCOPHILLIPS COMPANY, US
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[54] **EVAPORATOR UNIT FOR AN INHALER, IN PARTICULAR FOR AN ELECTRONIC CIGARETTE PRODUCT**
[54] **CARTOUCHE DE LIQUIDE DESTINEE A UN INHALATEUR, NOTAMMENT A UN PRODUIT CIGARETTE ELECTRONIQUE**
[72] TRIEU, HOC KHIEM, DE
[72] KALAYDZHYAN, KAREN, DE
[72] BOHNE, SVEN, DE
[71] HAUNI MASCHINENBAU GMBH, DE
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[54] **DISPOSITIF AEROPONIQUE**
[72] FARMER, JACK RICHARD, GB
[72] CROWTHER, BENJAMIN GEORGE, GB
[72] GUY, CHARLES DOUGLAS, GB
[71] LETTUS GROW LTD, GB
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[54] **PANNEAU D'ATTENUATION DE BRUIT**
[72] ROGGEVEEN, MARCEL, NL
[72] GIJSEMAN, REMCO, NL
[72] WONG, WILSON, NL
[71] FOKKER AEROSTRUCTURES BV, NL
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[54] **CEPHALOMEDULLARY NAILING SYSTEM OF VARIABLE ANGLE TO TREAT FEMUR FRACTURES. THE UTENSILS USED TO PLACE THE SYSTEM, INCLUDING A VALGUS-PRODUCING OSTEOTOMY DEVICE, ARE ALSO WITHIN THE SCOPE OF THIS INVENTION**
[54] **ENSEMBLE D'ENCLOUAGE CEPHALOMEDULLAIRE A ANGLE VARIABLE POUR LE TRAITEMENT DES FRACTURES DU FEMUR, ET INSTRUMENT DESTINE A SON PLACEMENT, Y COMPRIS DISPOSITIF D'OSTEOTOMIE DE VARISATION**
[72] FERRERO MANZANAL, FRANCISCO, ES
[72] MURCIA ASENSIO, ANTONIO, ES
[71] FERRERO MANZANAL, FRANCISCO, ES
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[54] **MATERIAU DE CONSTRUCTION**
[72] LILJA, JUHA, FI
[71] STEALTHCASE OY, FI
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[54] **SOCLE DE COMPTEUR A ENSEMBLE DE DETECTION DE FRAUDE**
[72] SIGLOCK, JOHN V., US
[71] MILBANK MANUFACTURING CO., US
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[54] **METHODS AND DEVICES FOR PERFORMING AN ANALYTICAL MEASUREMENT**
[54] **PROCEDES ET DISPOSITIFS DE MISE EN OEUVRE D'UNE MESURE ANALYTIQUE**
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[72] BERG, MAX, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
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[54] **COMPOSITION HERBICIDE A EFFET SYNERGIQUE COMPRENANT DE L'ACIDE PELARGONIQUE ET DU FLAZASULFURON**
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[72] VAN POTTELBERGE, STEVEN, BE
[71] BELCHIM CROP PROTECTION NV, BE
[85] 2020-04-07
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[54] **AGENCEMENT DE TRANSDUCTEUR**
[72] SORONEN, PETRI, FI
[72] KAJANUS, VESA, FI
[72] LUUKKANEN, PETTERI, FI
[72] KANKAANPAA, HARRI, FI
[71] PS AUDIO DESIGN OY, FI
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[54] **VANNE A BILLE A CONCEPTION D'ASSEMBLAGE AMELIOREE**
[72] BUCHER, JEFFREY THOMAS, US
[72] BERGE, LOGAN BRENT, US
[71] DRAMM CORPORATION OF MANITOWOC, US
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[25] EN
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[54] **PROCEDE AUTOMATISE D'EVALUATION ET DE RECONNAISSANCE DE PROFILS SUR DES IMAGES HISTOLOGIQUES**
[72] BROZEK, JOHN, FR
[72] DEGALLAIX, NATHALIE, FR
[72] NOEL, BENOIT, FR
[72] REXHEPAJ, ELTON, FR
[71] GENFIT, FR
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[54] **ELEMENT D'ELECTROLYTE ET CELLULE INCORPORANT L'ELEMENT D'ELECTROLYTE**
[72] DAWSON, RICHARD, GB
[71] LINA ENERGY LTD., GB
[85] 2020-04-07
[86] 2018-10-12 (PCT/GB2018/052943)
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[54] **ESTIMATION DE TEMPS DE CHARGEMENT/DECHARGEMENT DE CONTENEUR**
[72] KRISHNAMURTHY, ADITHYA H., US
[72] TRAJKOVIC, MIROSLAV, US
[71] SYMBOL TECHNOLOGIES, LLC, US
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[54] **GENETIC REGULATION**
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[72] AKOULITCHEV, ALEXANDRE, GB
[72] RAMADASS, AROUL SELVAM, GB
[72] HUNTER, EWAN, GB
[71] OXFORD BIODYNAMICS LIMITED, GB
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[30] US (62/581,287) 2017-11-03
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[25] EN
[54] **METHOD FOR IN VIVO GENERATION OF MULTISPECIFIC ANTIBODIES FROM MONOSPECIFIC ANTIBODIES**
[54] **PROCEDE DE GENERATION IN VIVO D'ANTICORPS MULTISPECIFIQUES A PARTIR D'ANTICORPS MONOSPECIFIQUES**
[72] BRINKMANN, ULRICH, DE
[72] MAYER, KLAUS, DE
[72] DICKOPF, STEFFEN, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
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[25] EN
[54] **LIPOSOME DRUG FORM WITH LIGHT-CONVERTING NANOPARTICLES, A METHOD OF ITS PREPARATION AND USE**
[54] **FORME MEDICAMENTEUSE LIPOSOMALE AVEC DES NANOPARTICULES DE CONVERSION DE LUMIERE, SA METHODE DE PREPARATION ET D'UTILISATION**
[72] ENGSTOVA, HANA, CZ
[72] NEKVASIL, MILOS, CZ
[72] JEZEK, PETR, CZ
[72] POUCKOVA, PAVLA, CZ
[71] INSTITUTE OF PHYSIOLOGY CAS, CZ
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[54] **SYSTEME DE NAVIGATION AVEC COMMANDE INDEPENDANTE DE POUSSEE LATERALE ET LONGITUDINALE**
[72] MATTILA, MIKKO, FI
[72] AHL, DANIEL, SE
[72] VIKSTROM, MARKO, SE
[71] KONGSBERG MARITIME SWEDEN AB, SE
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[25] EN
[54] **MACHINE FOR SIMULTANEOUS CUTTING OF A PLURALITY OF SLABS FROM A BLOCK OF STONE MATERIAL**
[54] **MACHINE DE COUPE SIMULTANEE D'UNE PLURALITE DE DALLES A PARTIR D'UN MATERIAU DE BLOC DE PIERRE**
[72] TONGIANI, STEFANO, IT
[71] SFERA S.R.L.S., IT
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[72] HERCE, HENRY D., US
[72] WALENSKY, LOREN D., US
[72] BIRD, GREGORY H., US
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[54] **SYSTEME ET PROCEDES DE REGLAGE DE PARAMETRES DE MOTEUR DE RECHERCHE A L'AIDE D'UN ALGORITHME GENETIQUE**
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[54] **PROCEDE ET SYSTEME DE REALISATION D'OPERATIONS A L'AIDE DE COMMUNICATIONS**
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[72] WOLF, H. ALAN, US
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[54] **SULFONES ET SULFOXYDES BICYCLIQUES ET PROCEDES D'UTILISATION ASSOCIES**
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[72] CHEN, HUIFEN, US
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[72] FOLGORI, ANTONELLA, CH
[72] LAHM, ARMIN, CH
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[72] KJELDBY, TOR KINDSBEKKEN, NO
[72] EIDSMOEN, HAVARD, NO
[72] VALLE, ARNE, NO
[71] EQUINOR ENERGY AS, NO
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[72] PETTERSEN, KETIL, NO
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[72] WINZEN, SIMON, DE
[72] HARTWIG, SEBASTIAN, DE
[72] ALBUERNE, JULIO, DE
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[54] **DERIVES D'ISOSORBIDE COMME ADDITIFS REACTIFS DANS DES RESINES REACTIVES ET CHEVILLES CHIMIQUES**
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[72] BURGEL, THOMAS, DE
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[72] GAEFKE, GERALD, DE
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[54] **DISPOSITIF DE COMMANDE A ACCORD AUTOMATIQUE, ET PROCEDE**
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[72] PASTUSEK, PAUL E., US
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[72] MARTORELL, ANTHONY JAMES, US
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[54] **METHODES ET COMPOSITIONS PERMETTANT D'ATTENUER LES REPONSES EN IGM ANTI-VECTEUR DE TRANSFERT VIRAL**
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[72] KISHIMOTO, TAKASHI KEI, US
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[71] UNIVATION TECHNOLOGIES, LLC, US
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[54] **APPAREIL ELECTRIQUE DE CUISSON COMPORTANT UN SUPPORT DE VIDANGE AVEC COUVERCLE**
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[72] SARTOUT, PIERRE, FR
[72] SEURAT, FREDERIC, FR
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[54] **DISPOSITIF DE SECURITE ANTIVOL POUR UN DISPOSITIF A ALIMENTATION ELECTRIQUE**
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[72] LINDNER, STEFAN, DE
[71] OUTOKUMPU OYJ, FI
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[54] **COMPOSITION COMPRENANT UNE PHASE AQUEUSE STRUCTUREE ET DE LA SERICINE**
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[72] PERALA, SIVA RAMA KRISHNA, IN
[72] RAUT, JANHAVI SANJAY, IN
[72] TIWARI, JYOTI KUMAR, IN
[71] UNILEVER PLC, GB
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[54] **PARTICULES PSEUDO-VIRALES UTILES POUR TRAITER DES MALADIES AUTO-IMMUNES**
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[72] KLATZMANN, DAVID, FR
[71] SORBONNE UNIVERSITE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
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[72] KEALEY, JAMES, US
[72] DIETZEL, KEVIN LEE, US
[71] INTREXON CORPORATION, US
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[54] **PROCEDES D'ADMINISTRATION DE CERTAINS INHIBITEURS DE VMAT2**
[72] O'BRIEN, CHRISTOPHER F., US
[72] BOZIGIAN, HAIG P., US
[71] NEUROCRINE BIOSCIENCES, INC., US
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[54] **HYDRATATION CONTROLEE DE CHAUX VIVE**
[72] CHUN, ZEN, US
[72] RIEDER, KLAUS-ALEXANDER, US
[72] YURDAKUL, EZGI, AU
[72] ALDYKIEWICZ, ANTHONY, US
[71] GCP APPLIED TECHNOLOGIES INC., US
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[54] **RTK VECTOR PHASE LOCKED LOOP ARCHITECTURE**
[54] **ARCHITECTURE DE BOUCLE A VERROUILLAGE DE PHASE VECTORIELLE RTK**
[72] MARTIN, SCOTT M., US
[72] BEVLY, DAVID M., US
[72] KEEGAN, RICHARL G., US
[72] ROUNDS, STEPHEN F., US
[71] DEERE & COMPANY, US
[71] AUBURN UNIVERSITY, US
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[54] **CELLULES ELECTROCHIMIQUES ALIMENTEES PAR ENERGIE THERMIQUE**
[72] GOODENOUGH, JOHN B., US
[72] DE OLIVEIRA BRAGA, MARIA HELENA SOUSA SOARES, US
[72] MURCHISON, ANDREW, US
[71] HYDRO-QUEBEC, CA
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[54] **ORAL TESTOSTERONE UNDECANOATE THERAPY**
[54] **TRAITEMENT ORAL A BASE D'UNDECANOATE DE TESTOSTERONE**
[72] CHIDAMBARAM, NACHIAPPAN, US
[72] NACHAEGARI, SATISH KUMAR, US
[72] PATEL, MAHESH V., US
[72] KIM, KILYOUNG, US
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[54] **ORAL TESTOSTERONE TRIDECANOATE THERAPY**
[54] **THERAPIE DE TRIDECANOATE DE TESTOSTERONE PAR VOIE ORALE**
[72] CHIDAMBARAM, NACHIAPPAN, US
[72] NACHAEGARI, SATISH KUMAR, US
[72] PATEL, MAHESH V., US
[72] KIM, KILYOUNG, US
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[54] **METHODS FOR AIDING IN THE DETERMINATION OF WHETHER TO PERFORM IMAGING ON A HUMAN SUBJECT WHO HAS SUSTAINED OR MAY HAVE SUSTAINED AN INJURY TO THE HEAD USING EARLY BIOMARKERS**
[54] **PROCEDES D'AIDE A LA DETERMINATION DE LA REALISATION OU NON D'UNE IMAGERIE SUR UN SUJET HUMAIN AYANT SUBI OU SUSCEPTIBLE D'AVOIR SUBI UNE LESION A LA TETE A L'AIDE DE BIOMARQUEURS PRECOCES**
[72] MCQUISTON, BETH, US
[72] ROGERS, JUSTIN, US
[72] MARINO, JAIME, US
[72] CHANDRAN, RAJ, US
[72] ZHANG, TIAMING, US
[72] DATWYLER, SAUL, US
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[54] **METHODS AND COMPOSITIONS FOR NUCLEOSIDE TRIPHOSPHATE AND RIBONUCLEIC ACID PRODUCTION**
[54] **PROCEDES ET COMPOSITIONS POUR LA PRODUCTION DE NUCLEOSIDE TRIPHOSPHATE ET D'ACIDE RIBONUCLEIQUE**
[72] CUNNINGHAM, DREW S., US
[72] MACEACHRAN, DANIEL, US
[72] DHAMANKAR, HIMANSHU, US
[72] IWUCHUKWU, IFEYINWA, US
[72] ABSHIRE, JAMES ROBBINS, US
[72] GUPTA, MEHAK, US
[72] MOURA, MATTHEW EDUARDO, US
[72] SUDHARSAN, NAVEEN, US
[72] SKIZIM, NICHOLAS, US
[72] JAIN, RACHIT, US
[72] RAMACHANDRIYA, KARTHIKEYAN, US
[71] GREENLIGHT BIOSCIENCES, INC., US
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[54] **EDASALONEXENT DOSING REGIMEN FOR TREATING MUSCULAR DYSTROPHY**
[54] **SCHEMA POSOLOGIQUE D'EDASALONEXENT DESTINE AU TRAITEMENT DE LA DYSTROPHIE MUSCULAIRE**
[72] NICHOLS, ANDREW J., US
[72] PERLMAN, MICHAEL, US
[71] CATABASIS PHARMACEUTICALS, INC., US
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[54] **REDUCTION DE DOSE DE CONTRASTE POUR IMAGERIE MEDICALE A L'AIDE D'UN APPRENTISSAGE PROFOND**
[72] ZAHARCHUK, GREG, US
[72] GONG, ENHAO, US
[72] PAULY, JOHN M., US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[25] EN
[54] **SYSTEM AND METHODS FOR PRIMER EXTRACTION AND CLONALITY DETECTION**
[54] **SYSTEME ET PROCEDES D'EXTRACTION D'AMORCE ET DE DETECTION DE CLONALITE**
[72] ZEHIR, AHMET, US
[72] SYED, MUSTAFA, US
[72] ARCILA, MARIA, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
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[54] **UNITE DE POMPAGE A BALANCIER A ENTRAINEMENT LINEAIRE**
[72] DOYLE, DAVID WARREN, US
[71] LUFKIN INDUSTRIES, LLC, US
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[25] EN
[54] **WEARABLE COMPUTING DEVICES FOR ACQUIRING ATHLETIC MOVEMENT DATA, AND SYSTEMS AND METHODS RELATING THERETO**
[54] **DISPOSITIFS INFORMATIQUES VESTIMENTAIRES POUR ACQUERIR DES DONNEES DE MOUVEMENT ATHLETIQUE, ET SYSTEMES ET PROCEDES SE RAPPORTANT A CEUX-CI**
[72] WAGNER, PHILLIP PATRICK, US
[71] SPARTA SOFTWARE CORPORATION, US
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[54] **C5AR INHIBITOR REDUCTION OF URINARY SCD163**
[54] **REDUCTION PAR INHIBITEUR DE C5AR DU TAUX URINAIRE DE SCD163**
[72] DENG, JUN, US
[72] SCHALL, THOMAS J., US
[72] BEKKER, PETRUS, US
[71] CHEMOCENTRYX, INC., US
[85] 2020-04-07
[86] 2018-10-30 (PCT/US2018/058134)
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[54] **CONTOURED FOAM DRESSING SHAPED FOR PROVIDING NEGATIVE PRESSURE TO INCISIONS IN THE BREAST**
[54] **PANSEMENT EN MOUSSE PROFILE FACONNE POUR FOURNIR UNE PRESSION NEGATIVE A DES INCISIONS DANS LE SEIN**
[72] REHBEIN, JONATHAN G., US
[72] KAZALA, RICHARD, US
[72] SANDOVAL, ENRIQUE L., US
[72] RANDOLPH, LARRY TAB, US
[72] PERKINS, LUKE, US
[72] SILVERMAN, RONALD P., US
[71] KCI LICENSING, INC., US
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[25] EN
[54] **CELLULAR REPROGRAMMING USING TEMPORAL AND TRANSIENT PLASMID VECTOR EXPRESSION SYSTEM**
[54] **REPROGRAMMATION CELLULAIRE A L'AIDE D'UN SYSTEME D'EXPRESSION DE VECTEUR PLASMIDIQUE TEMPORAIRE ET TRANSITOIRE**
[72] VALAMEHR, BAHRAM, US
[72] ROBINSON, MEGAN, US
[71] FATE THERAPEUTICS, INC., US
[85] 2020-04-07
[86] 2018-10-10 (PCT/US2018/055208)
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[25] EN
[54] **COMPOUND CHIMERIC ANTIGEN RECEPTOR (CCAR) TARGETING MULTIPLE ANTIGENS, COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **RECEPTEUR D'ANTIGENE CHIMERIQUE COMPOSE (CCAR) CIBLANT DE MULTIPLES ANTIGENES ET PROCEDES D'UTILISATION ASSOCIES**
[72] MA, YUPO, US
[72] PINZ, KEVIN, US
[72] JIANG, XUN, US
[72] WADA, MASAYUKI, US
[72] CHEN, KEVIN, US
[71] ICELL GENE THERAPEUTICS, LLC, US
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[87] (WO2019/075395)
[30] US (62/571,608) 2017-10-12
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[54] **PROCEDES ET INSTRUMENTS D'ARTHROPLASTIE DU GENOU DE REVISION**
[72] YOKO, TIM, US
[72] CAPEK, JOSEPH C., US
[72] SZALKOWSKI, AMANDA, US
[72] VANDIEPENBOS, JEFFERY A., US
[71] ZIMMER, INC., US
[85] 2020-04-07
[86] 2018-10-10 (PCT/US2018/055232)
[87] (WO2019/075078)
[30] US (62/572,210) 2017-10-13

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[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS OF REDUCING SIDE EFFECTS OF ANTI-CD30 ANTIBODY DRUG CONJUGATE THERAPY**
[54] **PROCEDES DE REDUCTION DES EFFETS SECONDAIRES D'UNE THERAPIE PAR CONJUGUES DE MEDICAMENT ANTICORPS ANTI-CD30**
[72] MANLEY, THOMAS, US
[72] JOSEPHSON, NEIL, US
[71] SEATTLE GENETICS, INC., US
[85] 2020-04-07
[86] 2018-10-11 (PCT/US2018/055354)
[87] (WO2019/075168)
[30] US (62/570,901) 2017-10-11
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[25] EN
[54] **TREATING DEMENTIA WITH VISUAL STIMULATION TO SYNCH GAMMA OSCILLATIONS IN BRAIN**
[54] **TRAITEMENT DE LA DEMENCE PAR STIMULATION VISUELLE POUR INDUIRE DES OSCILLATIONS GAMA SYNCHRONISEES DANS LE CERVEAU**
[72] ADAIKKAN, CHINNAKKARUPPAN, US
[72] TSAI, LI-HUEI, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2020-04-07
[86] 2018-10-10 (PCT/US2018/055258)
[87] (WO2019/075094)
[30] US (62/570,250) 2017-10-10
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[25] EN
[54] **FILTERING DEVICE FOR RECORDING ELECTROPHYSIOLOGICAL SIGNALS**
[54] **DISPOSITIF DE FILTRAGE POUR L'ENREGISTREMENT DE SIGNAUX ELECTROPHYSIOLOGIQUES**
[72] MATTHIESEN, MADS EMIL, DK
[72] LARSEN, SIGGE NEJST, DK
[72] SHADBOLT, VICTOR, CA
[72] WODLINGER, HAROLD, CA
[71] CATHVISION APS, DK
[85] 2020-04-08
[86] 2017-10-13 (PCT/EP2017/076206)
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[25] EN
[54] **NEOANTIGEN IDENTIFICATION USING HOTSPOTS**
[54] **IDENTIFICATION DE NEO-ANTIGENES AU MOYEN DE POINTS CHAUDS**
[72] BULIK-SULLIVAN, BRENDAN, US
[72] BOUCHER, THOMAS FRANCIS, US
[72] YELENSKY, ROMAN, US
[71] GRITSTONE ONCOLOGY, INC., US
[85] 2020-04-07
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[51] **Int.Cl. E21B 7/06 (2006.01)**
[25] EN
[54] **RETENTION SYSTEM FOR BOTTOM HOLE ASSEMBLY AND WHIPSTOCK**
[54] **SYSTEME DE RETENUE POUR ENSEMBLE DE FOND DE TROU ET SIFFLET-DEVIATEUR**
[72] KORF, JOSHUA MATTHEW, US
[72] TEALE, DAVID W., US
[72] HELBERT, THOMAS, US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2020-04-07
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[51] **Int.Cl. E04B 1/84 (2006.01) C03B 37/04 (2006.01) E04B 1/86 (2006.01)**
[25] FR
[54] **GLASS WOOL ACOUSTIC PANEL AND METHOD FOR PRODUCING SUCH A PANEL**
[54] **PANNEAU ACOUSTIQUE EN LAINE DE VERRE ET PROCEDE DE FABRICATION D'UN TEL PANNEAU**
[72] JACQUS, GARY, FR
[72] BERGER, SYLVAIN, FR
[72] LEROY, PIERRE, FR
[72] NILSSON, ERLING, SE
[72] DRAY, DELPHINE, FR
[71] SAINT-GOBAIN ISOVER, FR
[71] SAINT-GOBAIN PLACO, FR
[85] 2020-04-07
[86] 2018-10-12 (PCT/EP2018/077818)
[87] (WO2019/073019)
[30] EP (17196306.9) 2017-10-13

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[51] **Int.Cl. D04H 1/4209 (2012.01) D04H 1/4218 (2012.01) D04H 1/4226 (2012.01) E04B 9/00 (2006.01) E04F 15/20 (2006.01)**
[25] FR
[54] **MINERAL WOOL ACOUSTIC PANEL AND METHOD FOR PRODUCING SUCH A PANEL**
[54] **PANNEAU ACOUSTIQUE EN LAINE MINERALE ET PROCEDE DE FABRICATION D'UN TEL PANNEAU**
[72] JACQUS, GARY, FR
[72] BERGER, SYLVAIN, FR
[72] LEROY, PIERRE, FR
[72] NILSSON, ERLING, SE
[72] DRAY, DELPHINE, FR
[71] SAINT-GOBAIN ISOVER, FR
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[86] 2018-10-12 (PCT/EP2018/077819)
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[51] **Int.Cl. B60J 7/12 (2006.01) E05F 15/41 (2015.01)**
[25] FR
[54] **SYSTEM AND METHOD FOR CONTROLLING A MOTOR VEHICLE EQUIPPED WITH AT LEAST ONE REMOVABLE COVERING**
[54] **SYSTEME ET PROCEDE DE COMMANDE D'UN VEHICULE AUTOMOBILE MUNI D'AU MOINS UNE COUVERTURE AMOVIBLE**
[72] SAJNOVIC, SRECKO, FR
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[54] **APPAREIL ET PROCEDE D'AIDE AU TEST FONCTIONNEL DE SYSTEMES D'AERONEF**
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[72] COTE, JOSEPH PATRICK, CA
[71] BOMBARDIER INC., CA
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[71] ME INNOVATIONS PTY LTD, AU
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[54] **SYSTEM FOR ADAPTIVE FILTERING OF CARDIAC SIGNALS**
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[72] DITE, GILLIAN, AU
[72] HOPPER, JOHN, AU
[71] GENETIC TECHNOLOGIES LIMITED, AU
[71] THE UNIVERSITY OF MELBOURNE, AU
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[54] **EMBOUT D'ORTEIL DE SECURITE RESPIRANT AVEC BRIDE ET BANDE RENFORCEES**
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[71] INNEX S.R.L., IT
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[72] WANG, SAMANTHA, US
[72] ZHENG, LILI, US
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
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[71] AUMATECH, FR
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[54] **SYSTEMES ET PROCEDES DE CAMERA A HAUTE RESOLUTION ET A GRANDE PROFONDEUR DE CHAMP METTANT EN □UVRE UN EMPILEMENT DE MISES AU POINT**
[72] BOUCHARD, JEAN-PIERRE, CA
[72] BERTHIAUME, FRANCOIS, CA
[72] COTE, GEOFFROI, CA
[72] BLANCHARD, NATHALIE, CA
[71] INSTITUT NATIONAL D'OPTIQUE, CA
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[54] **NANOVECTEURS ET UTILISATIONS**
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[72] LUX, FRANCOIS, FR
[72] ROSSETTI, FABIEN, FR
[72] TRAN, VU-LONG, VN
[72] MATHIEU, CLELIA, FR
[72] DAHAN, MYLEVA, FR
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[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS, FR
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[54] **VERROU ELECTROMECANIQUE**
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[72] ARVOLA, MAURI, FI
[71] ILOQ OY, FI
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[54] **OUTILLAGE POUR LA REALISATION IN SITU D'UN MUR SANDWICH ET PROCEDE EN FAISANT APPLICATION**
[72] BEAUMONT, GILLES, C., FR
[71] G.B.E., FR
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[54] **METHOD AND SYSTEM FOR FACILITATING IDENTIFICATION OF AN OBJECT-OF-INTEREST**
[54] **PROCEDE ET SYSTEME DESTINES A FACILITER L'IDENTIFICATION D'UN OBJET CONSIDERE**
[72] DOUMBOUYA, MOUSSA, CA
[72] HE, LU, CA
[72] HU, YANYAN, CA
[72] SAPTHARISHI, MAHESH, CA
[72] ZHANG, HAO, CA
[72] ALCOCK, NICHOLAS JOHN, CA
[72] DONALDSON, ROGER DAVID, CA
[72] AZIZABADIFARAHANI, SEYEDMOSTAFA, CA
[72] JESSEN, KEN, CA
[71] AVIGILON CORPORATION, CA
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[54] **ENSEMBLE D'UN EMPILEMENT A OXYDES SOLIDES DE TYPE SOEC/SOFC ET D'UN SYSTEME DE SERRAGE AVEC SYSTEME DE SURCHAUFFE DES GAZ INTEGRE**
[72] PLANQUE, MICHEL, FR
[72] BERNARD, CHARLOTTE, FR
[72] ROUX, GUILHEM, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
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[54] **DERIVES DE PYRIDINE CARBONYLE ET LEURS UTILISATIONS THERAPEUTIQUES EN TANT QU'INHIBITEURS DE TRPC6**
[72] BOUYSSOU, THIERRY, DE
[72] GOTTSCHLING, DIRK, DE
[72] HEINE, NIKLAS, DE
[72] SMITH KEENAN, LANA LOUISE, US
[72] LOWE, MICHAEL D., US
[72] RAZAVI, HOSSEIN, US
[72] SARKO, CHRISTOPHER RONALD, US
[72] SURPRENANT, SIMON, CA
[72] TAKAHASHI, HIDENORI, US
[72] TURNER, MICHAEL ROBERT, US
[72] WU, XINYUAN, US
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[71] HYDRA BIOSCIENCES, LLC, US
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[54] **ADENOVIRUS AND USES THEREOF**
[54] **ADENOVIRUS ET UTILISATIONS ASSOCIEES**
[72] UIL, TACO GILLES, NL
[72] ROY, SOUMITRA, NL
[72] KHAN, SELINA, NL
[72] CUSTERS, JEROME H,H,V,, NL
[71] JANSSEN VACCINES & PREVENTION B.V., NL
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[54] **MICROSCOPE STEREO A OBJECTIF UNIQUE**
[72] MERCER, GRAHAM PETER FRANCIS, GB
[71] VISION ENGINEERING LIMITED, GB
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[54] **BASE DE PREHENSION DE ROBOT INTERCHANGEABLE**
[72] SAFELDT, UFFE, DK
[71] SOFTBOX PATENTS APS, DK
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[54] **AUGMENTED REALITY DISPLAY HAVING LIQUID CRYSTAL VARIABLE FOCUS ELEMENT AND ROLL-TO-ROLL METHOD AND APPARATUS FOR FORMING THE SAME**
[54] **DISPOSITIF D'AFFICHAGE A REALITE AUGMENTEE AYANT UN ELEMENT DE FOCALISATION VARIABLE A CRISTAUX LIQUIDES ET PROCEDE DE ROULEAU A ROULEAU ET APPAREIL PERMETTANT DE LE FORMER**
[72] PATTERSON, ROY MATTHEW, US
[72] OH, CHULWOO, US
[72] KOMANDURI, RAVI KUMAR, US
[72] CARDEN, CHARLES SCOTT, US
[72] MILLER, MICHAEL NEVIN, US
[72] SINGH, VIKRAMJIT, US
[72] YANG, SHUQIANG, US
[71] MAGIC LEAP, INC., US
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[72] ALLAND, LEILA, US
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[54] **SYSTEME HYDRAULIQUE ET SYSTEME DE COMMANDE ASSOCIE**
[72] LAPPALAINEN, ARI, FI
[72] SAHLMAN, MIKA, FI
[72] MAKITALO, JUSSI, FI
[72] STAMBRO, PETER, US
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[54] **MOBILE CARRIERS FOR USE IN SYSTEMS AND METHODS FOR PROCESSING OBJECTS INCLUDING MOBILE MATRIX CARRIER SYSTEMS**
[54] **SUPPORTS MOBILES DESTINES A ETRE UTILISES DANS DES SYSTEMES ET PROCEDES DE TRAITEMENT D'OBJETS COMPRENANT DES SYSTEMES DE SUPPORTS MATRICIELS MOBILES**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] AMEND, JOHN RICHARD, JR., US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] FORT, WILLIAM HARTMAN, US
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[72] KING, JENNIFER EILEEN, US
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[72] KOVAL, MICHAEL CAP, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM CHU-HYON, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
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[72] NAIK, SNEHAL U., US
[72] JAIN, ANJALI, US
[71] PROMETHEUS BIOSCIENCES, INC., US
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[72] VAN EEGHEM, JEAN, BE
[72] VANDENBORRE, BERTEN, BE
[72] VAN NIEUWENHUYSEN, TONY, BE
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[54] **DISPOSITIF DE NETTOYAGE PERMETTANT DE NETTOYER UN MATERIAU DE BALAI A FRANGES**
[72] YOUNG, RONALD ALEXANDER, GB
[71] SCOT YOUNG RESEARCH LIMITED, GB
[85] 2020-04-08
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[54] **STATION DE CHARGE RETRACTABLE**
[72] FREELING-WILKINSON, OLIVIER, GB
[71] URBAN ELECTRIC NETWORKS LTD, GB
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[72] BOMMAGANI, MADHUSUDHAN, IN
[72] PATLOLLA, RAM REDDY, IN
[72] BANGAR, GANESH, IN
[72] CHOPADE, ATUL, IN
[72] DHEBE, GUNAJI, IN
[72] KRISHNA, MURALEE, IN
[71] GLENMARK PHARMACEUTICALS LIMITED, IN
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[54] **IMPROVED MOISTURE CONTROL FABRICS**
[54] **TISSUS A REGULATION AMELIOREE DE L'HUMIDITE**
[72] XING, SIYUAN, US
[72] FOOTE, RACHEL, US
[71] DRYCO, INC., US
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[86] 2018-10-31 (PCT/US2018/058462)
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[54] **MACHINE DE TRAVAIL ENTRAINEE PAR MOTEUR**
[72] KIDO, SHOTA, JP
[72] UEMOTO, HIROSHIGE, JP
[71] YAMABIKO CORPORATION, JP
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[54] **COMPOUNDS AND METHODS FOR REDUCING SNCA EXPRESSION**
[54] **COMPOSES ET PROCEDES PERMETTANT DE REDUIRE L'EXPRESSION DE SNCA**
[72] KORDASIEWICZ, HOLLY, US
[72] SINGH, PRIYAM, US
[72] FREIER, SUSAN M., US
[72] COLE, TRACY A., US
[71] IONIS PHARMACEUTICALS, INC., US
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[54] **PROCESS FOR RESHAPING KERATIN FIBRES**
[54] **PROCEDE DE REMODELAGE DE FIBRES KERATINIQUES**
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[72] KOMURE, NATSUMI, JP
[71] L'OREAL, FR
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[54] **THREADED CONNECTION FOR PIPES AND METHOD FOR PRODUCING THREADEDR CONNECTION FOR PIPE**
[54] **JOINT FILETE POUR TUYAUX ET PROCEDE DE PRODUCTION D'UN JOINT FILETE POUR TUYAUX**
[72] OSHIMA, MASAHIRO, JP
[72] KIMOTO, MASANARI, JP
[71] NIPPON STEEL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2020-04-08
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[54] **ANTI-MITOCHONDRIAL INHIBITORS FOR ONCOGENIC RAS AND MYC**
[54] **INHIBITEURS ANTI-MITOCHONDRIAUX POUR RAS ET MYC ONCOGENES**
[72] LISANTI, MICHAEL P., US
[72] SOTGIA, FEDERICA, US
[71] LUNELLA BIOTECH, INC., CA
[85] 2020-04-08
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[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **EQUIPEMENT UTILISATEUR ET PROCEDE DE COMMUNICATION SANS FIL**
[72] YOSHIOKA, SHOHEI, JP
[72] TAKEDA, KAZUKI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
[85] 2020-04-08
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[54] **AN IMPROVED EQUINE BLANKET AND ADJUSTABLE BLANKET SYSTEM**
[54] **COUVERTURE DE CHEVAL AMELIOREE ET SYSTEME DE COUVERTURE REGLABLE**
[72] HEINTZ, PAMELA SUE, US
[71] HEINTZ, PAMELA SUE, US
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[54] **SODIUM-TIN AND SODIUM-TIN-LEAD COOLANTS**
[54] **AGENTS DE REFROIDISSEMENT AU SODIUM-ETAIN ET AU SODIUM-ETAIN-PLOMB**
[72] CORBIN, ROBERT A., US
[72] REGAN, CHRISTOPHER M., US
[72] VOLLMER, JAMES M., US
[71] TERRAPOWER, LLC, US
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[54] **ANNULAR METAL NUCLEAR FUEL AND METHODS OF MANUFACTURING THE SAME**
[54] **COMBUSTIBLE NUCLEAIRE METALLIQUE ANNULAIRE ET SES PROCEDES DE FABRICATION**
[72] CHOI, JOON HYUNG, US
[72] HACKETT, MICAH J., US
[72] HEJZLAR, PAVEL, US
[72] LATTA, RYAN N., US
[72] VOLLMER, JAMES M., US
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[25] EN
[54] **AN EQUINE YOKE CLOSURE DEVICE AND ADJUSTABLE BLANKET SYSTEM**
[54] **DISPOSITIF DE FERMETURE D'ATTELAGE EQUIN ET SYSTEME DE COUVERTURE REGLABLE**
[72] HEINTZ, PAMELA SUE, US
[71] HEINTZ, PAMELA SUE, US
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[54] **POWER SYSTEM RELIABILITY**
[54] **FIABILITE D'UN SYSTEME D'ALIMENTATION**
[72] BOURGEAU, EDWARD, US
[72] WU, YIN, US
[71] TRANSOCEAN SEDCO FOREX VENTURES LIMITED, KY
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[54] **ANTI-CD38 ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-CD38 ET PROCEDES D'UTILISATION**
[72] WU, LAN, US
[72] XU, LING, US
[72] SEUNG, EDWARD, US
[72] WEI, RONNIE, US
[72] NABEL, GARY, US
[72] YANG, ZHI-YONG, US
[72] DABDOUBI, TARIK, FR
[72] CAMERON, BEATRICE, FR
[72] LEMOINE, CENDRINE, FR
[72] PRADES, CATHERINE, FR
[71] SANOFI, FR
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[54] **IMPROVEMENTS RELATING TO SLEEP MONITORING**
[54] **PERFECTIONNEMENTS SE RAPPORTANT A LA SURVEILLANCE DU SOMMEIL**
[72] SASSE, ANTHONY, AU
[72] JONES, CYRIL, AU
[72] RATTEN, STEPHEN, AU
[72] MORGAN, OWEN, AU
[71] BIOANALYTICS HOLDINGS PTY LTD, AU
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[54] **A SLIDABLY MOVEABLE CONNECTOR DEVICE**
[54] **DISPOSITIF DE CONNECTEUR MOBILE DE MANIERE COULISSANTE**
[72] HEINTZ, PAMELA SUE, US
[71] HEINTZ, PAMELA SUE, US
[85] 2020-04-08
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[54] **ADAPTIVE UNEQUAL WEIGHT PLANAR PREDICTION**
[54] **PREDICTION PLANAIRE ADAPTATIVE A POIDS INEGAUX**
[72] PANUSOPONE, KRIT, US
[72] YU, YUE, US
[72] HONG, SEUNGWOOK, US
[72] WANG, LIMIN, US
[71] ARRIS ENTERPRISES LLC, US
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[25] EN
[54] **COMBINATION OF A PARP INHIBITOR AND A PD-1 AXIS BINDING ANTAGONIST**
[54] **COMBINAISON D'UN INHIBITEUR DE PARP ET D'UN ANTAGONISTE DE LIAISON D'AXE PD-1**
[72] BLAKE-HASKINS, JOHN ANDREW, US
[72] BOSHOFF, CHRISTOFFEL HENDRIK, US
[72] CESARI, ROSSANO, IT
[72] NUYTEN, DIMITRY SERGE ANTOINE, US
[72] STEWART, ROSS ANTHONY, GB
[72] ZOHREN, FABIAN, US
[71] MERCK PATENT GMBH, DE
[71] PFIZER INC., US
[85] 2020-04-08
[86] 2018-10-10 (PCT/US2018/055174)
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[25] EN
[54] **USE OF SYSTEM XC- INHIBITOR FOR TREATING STATIN-INDUCED MYALGIA**
[54] **UTILISATION D'INHIBITEUR DU SYSTEME XC- POUR LE TRAITEMENT DE LA MYALGIE INDUITE PAR LA STATINE**
[72] TARNOPOLSKY, MARK, CA
[72] HAWKE, THOMAS, CA
[71] EXERKINE CORPORATION, CA
[85] 2020-04-09
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[25] EN
[54] **TREATMENT OF FOCAL SEGMENTAL GLOMERULOSCLEROSIS WITH CCR2 ANTAGONISTS**
[54] **TRAITEMENT DE LA GLOMERULOSCLEROSE SEGMENTAIRE FOCALE AVEC DES ANTAGONISTES DU CCR2**
[72] MIAO, ZHENHUA, US
[72] SCHALL, THOMAS J., US
[72] SINGH, RAJINDER, US
[71] CHEMOCENTRYX, INC., US
[85] 2020-04-08
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[54] **FOUR A ARC A COURANT CONTINU POUR LA FUSION ET LA GAZEIFICATION DE DECHETS**
[72] CARABIN, PIERRE, CA
[72] KREKLEWETZ, WILLIAM, CA
[72] SHAHVERDI, ALI, CA
[72] FORTIN-BLANCHETTE, HUGO, CA
[71] PYROGENESIS CANADA INC., CA
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[54] **DRINKING CONTAINER CONVERTIBLE INTO A WHISTLING DEVICE**
[54] **RECIPIENT DE BOISSON CONVERTIBLE EN UN DISPOSITIF A SIFFLET**
[72] BECOTTE, ANTOINE, CA
[72] BEDARD, NORMAN, CA
[71] ULTIMATE-FAN BOTTLE INC., CA
[85] 2020-04-09
[86] 2018-10-12 (PCT/CA2018/051288)
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[54] **INTELLIGENT TRACK AND NAVIGATION FOR SENSOR CARRIER**
[54] **PISTE INTELLIGENTE ET NAVIGATION POUR SUPPORT DE CAPTEUR**
[72] GREENBERG, ADAM PHILLIP TAKLA, US
[72] KING, MATTHEW CHARLES, US
[71] IUNU, INC., US
[85] 2020-04-08
[86] 2018-10-10 (PCT/US2018/055302)
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[51] **Int.Cl. A61M 5/32 (2006.01) A61M 37/00 (2006.01) A61B 5/145 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR MICRONEEDLE INSERTION INTO TISSUE**
[54] **PROCEDES ET APPAREIL D'INSERTION DE MICRO-AIGUILLE DANS UN TISSU**
[72] MANSOOR, IMAN, CA
[72] RANAMUKHAARACHCHI, SAHAN ANUPAMA, CA
[72] STOEBER, BORIS, CA
[72] RAEISZADEH, MEHRSA, CA
[71] MICRODERMICS INC., CA
[85] 2020-04-09
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[51] **Int.Cl. A47B 91/16 (2006.01) A47B 13/00 (2006.01) A47B 13/02 (2006.01)**
[25] EN
[54] **SELF-STABLIZING SYSTEM AND METHOD FOR LONG TABLE**
[54] **SYSTEME ET PROCEDE A STABILISATION AUTOMATIQUE POUR TABLE LONGUE**
[72] RAFII, EDDIE, US
[71] RAFII, EDDIE, US
[85] 2020-04-08
[86] 2018-10-11 (PCT/US2018/055333)
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[25] EN
[54] **MICROORGANISMS AND METHODS IN THE FERMENTATION OF BENZYLISOQUINOLINE ALKALOIDS**
[54] **MICRO-ORGANISMES ET METHODES POUR LA FERMENTATION D'ALCALOIDES DE BENZYLISOQUINOLINE**
[72] ENQUIST-NEWMAN, MARIA, US
[72] VIDANES, GENEVIEVE, US
[72] HETENYI, KATA ZSUZSANNA, HU
[71] INTREXON CORPORATION, US
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[25] EN
[54] **SYSTEMS AND METHODS FOR CELLULAR REPROGRAMMING OF A PLANT CELL**
[54] **SYSTEMES ET PROCEDES DE REPROGRAMMATION CELLULAIRE D'UNE CELLULE VEGETALE**
[72] FOX, TIM, US
[72] GORDON-KAMM, WILLIAM JAMES, US
[72] HUEGEL, RACHEL CAROL, US
[72] LOWE, KEITH S., US
[72] REINDERS, JON AARON TUCKER, US
[72] YE, HUAXUN, US
[71] PIONEER HI-BRED INTERNATIONAL., INC., US
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[54] **MOTION DETECTION BASED ON BEAMFORMING DYNAMIC INFORMATION**
[54] **DETECTION DE MOUVEMENT BASEE SUR DES INFORMATIONS DYNAMIQUES DE FORMATION DE FAISCEAU**
[72] KRAVETS, OLEKSIY, CA
[72] OMER, MOHAMMAD, CA
[72] ITUAH, STANLEY, CA
[72] CHATTHA, KARANVIR, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2020-04-09
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[30] US (62/586,824) 2017-11-15
[30] US (62/633,789) 2018-02-22
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[54] **LOW TEMPERATURE SULFUR DIOXIDE PRETREATMENT**
[54] **PRETRAITEMENT AU DIOXYDE DE SOUFRE A BASSE TEMPERATURE**
[72] FOODY, BRIAN, CA
[72] TOLAN, JEFFREY S., CA
[72] MACDONALD, DANIEL G., CA
[72] MARTENS, KRISTIN, CA
[72] LEDUC, NATACHA, CA
[72] MACKENZIE, DOUGLAS A., CA
[71] IOGEN CORPORATION, CA
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[54] **COUVRE-PINCEAU D'ARTISTES**
[72] DEPAOLA, JOHN ANTHONY, US
[71] LIKWID CONCEPTS, LLC, US
[85] 2020-04-08
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[51] **Int.Cl. H04B 11/00 (2006.01) E21B 47/14 (2006.01) H04B 13/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PERFORMING HYDROCARBON OPERATIONS WITH MIXED COMMUNICATION NETWORKS**
[54] **PROCEDE ET SYSTEME DESTINES A EFFECTUER DES OPERATIONS D'HYDROCARBURE AU MOYEN DE RESEAUX DE COMMUNICATION MIXTES**
[72] DISKO, MARK M., US
[72] YI, XIAOHUA, US
[72] CLAWSON, SCOTT W., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2020-04-08
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[30] US (62/572,211) 2017-10-13

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[25] EN
[54] **USING LINEAR SYNCHRONOUS MOTORS FOR RETARDING LINEAR MOTION AND CONVEYING SYSTEMS**
[54] **UTILISATION DE MOTEURS SYNCHRONES LINEAIRES POUR RETARDER UN MOUVEMENT LINEAIRE ET SYSTEMES DE TRANSPORT**
[72] MARZANO, DOMENIC P., US
[72] MARZANO, TERRY JOSEPH, US
[71] VELOCITY MAGNETICS, INC., US
[85] 2020-04-08
[86] 2018-10-11 (PCT/US2018/055400)
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[30] US (62/571,008) 2017-10-11

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[54] **MOTION DETECTION BY A CENTRAL CONTROLLER USING BEAMFORMING DYNAMIC INFORMATION**
[54] **DETECTION DE MOUVEMENT AU MOYEN D'UN CONTROLEUR CENTRAL ET EN UTILISANT DES INFORMATIONS DYNAMIQUES DE FORMATION DE FAISCEAU**
[72] KRAVETS, OLEKSIY, CA
[72] OMER, MOHAMMAD, CA
[72] ITUAH, STANLEY, CA
[72] CHATTHA, KARANVIR, CA
[72] MANKU, TAJINDER, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2020-04-09
[86] 2018-11-14 (PCT/CA2018/051446)
[87] (WO2019/095059)
[30] US (62/586,824) 2017-11-15
[30] US (62/633,789) 2018-02-22
[30] US (62/648,110) 2018-03-26
[30] US (16/184,724) 2018-11-08

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[13] A1
[51] **Int.Cl. C02F 1/56 (2006.01) C02F 11/14 (2019.01) C10G 1/04 (2006.01)**
[25] EN
[54] **METHOD TO IMPROVE TAILINGS FLOWABILITY FOR PIPELINE TRANSPORT**
[54] **PROCEDE D'AMELIORATION DE L'APTITUDE A L'ECOULEMENT DE PRODUITS DE QUEUE POUR LE TRANSPORT PAR PIPELINE**
[72] ROSTRO, LIZBETH, US
[72] CHEN, WU, US
[72] GILLIS, PAUL A., US
[72] POINDEXTER, MICHAEL K., US
[72] TUBBS, JASON A., US
[72] WITHAM, COLE A., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-04-08
[86] 2018-10-12 (PCT/US2018/055563)
[87] (WO2019/075296)
[30] US (62/571,816) 2017-10-13

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **WIRELESS COMMUNICATION METHOD, NETWORK DEVICE AND TERMINAL DEVICE**
[54] **PROCEDE DE COMMUNICATION SANS FIL, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL**
[72] ZHANG, ZHI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-04-09
[86] 2017-10-11 (PCT/CN2017/105777)
[87] (WO2019/071498)

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[13] A1
[51] **Int.Cl. H01B 3/00 (2006.01) C08K 3/38 (2006.01) C08L 23/12 (2006.01) C08L 23/16 (2006.01) H01B 3/44 (2006.01)**
[25] EN
[54] **ELECTRIC CABLE WITH IMPROVED THERMOPLASTIC INSULATING LAYER**
[54] **CABLE ELECTRIQUE A COUCHE ISOLANTE THERMOPLASTIQUE AMELIOREE**
[72] BESSON, ROMAIN, IT
[72] CAIMI, LUIGI, IT
[72] BAREGGI, ALBERTO, IT
[72] FERRARI, ARMANDO MICHELE, IT
[72] TROIA, IVAN, IT
[71] PRYSMIAN S.P.A., IT
[85] 2020-04-09
[86] 2017-10-12 (PCT/EP2017/076017)
[87] (WO2019/072388)

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[51] **Int.Cl. C11C 3/02 (2006.01) C12N 9/20 (2006.01) C12P 7/64 (2006.01)**
[25] EN
[54] **METHOD OF MAKING MONOACYLGLYCERIDE OILS AND FOOD PRODUCTS CONTAINING MONOACYLGLYCERIDE OILS**
[54] **PROCEDE DE FABRICATION D'HUILES A BASE DE MONOACYLGLYCERIDES ET PRODUITS ALIMENTAIRES CONTENANT DES HUILES A BASE DE MONOACYLGLYCERIDES**
[72] MONTICELLO, DANIEL J., US
[72] BUSSMANN, WERNER J., US
[71] GLYCOSBIO FOOD SCIENCES, INC., US
[85] 2020-04-08
[86] 2018-10-12 (PCT/US2018/055583)
[87] (WO2019/075307)
[30] US (62/571,910) 2017-10-13

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[13] A1
[51] **Int.Cl. E04C 3/07 (2006.01) E04B 2/82 (2006.01) E04B 9/00 (2006.01) E04B 9/26 (2006.01)**
[25] EN
[54] **PROFILE AND CONSTRUCTION ELEMENT SET FOR ARRANGING A COMPONENT FOR A DRYWALL CONSTRUCTION, AND DRYWALL FORMED THEREWITH**
[54] **PROFILE ET ENSEMBLE D'ELEMENTS DE CONSTRUCTION POUR AGENCER UN ELEMENT POUR UNE CONSTRUCTION DE CLOISON SECHE, ET CLOISON SECHE FORMEE AVEC CES DERNIERS**
[72] HERFURTH, DOMINIK, DE
[72] STUBITS, ROBERT, AT
[72] RACHWITZ, SYLVIA, DE
[72] VIEBAHN, MICHAEL, DE
[71] KNAUF GIPS KG, DE
[85] 2020-04-09
[86] 2018-10-25 (PCT/EP2018/000488)
[87] (WO2019/091593)
[30] EP (PCT/EP2017/001315) 2017-11-13

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[51] **Int.Cl. C12P 7/10 (2006.01) C10L 1/02 (2006.01) C12P 1/00 (2006.01) C12P 7/02 (2006.01) C12P 7/16 (2006.01) C12P 19/02 (2006.01) C12P 19/14 (2006.01)**
[25] EN
[54] **LOW TEMPERATURE PRETREATMENT WITH SULFUR DIOXIDE**
[54] **PRETRAITEMENT A BASSE TEMPERATURE A L'AIDE DE DIOXYDE DE SOUFRE**
[72] MACDONALD, DANIEL G., CA
[72] TOLAN, JEFFREY S., CA
[72] FOODY, BRIAN, CA
[71] IOGEN CORPORATION, CA
[85] 2020-04-09
[86] 2018-11-09 (PCT/CA2018/000217)
[87] (WO2019/090414)
[30] US (62/583,705) 2017-11-09
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[13] A1
[51] **Int.Cl. H04L 7/00 (2006.01) H04W 56/00 (2009.01) H04J 3/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SENDING AND RECEIVING CLOCK SYNCHRONIZATION PACKET**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION ET DE RECEPTION DE MESSAGE DE SYNCHRONISATION D'HORLOGE**
[72] HE, XIANG, CN
[72] QI, YUNLEI, CN
[72] CHEN, JINGFENG, CN
[72] LIN, TAO, CN
[72] SONG, JUNMIN, CN
[72] WANG, XINYUAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-04-09
[86] 2017-10-13 (PCT/CN2017/106151)
[87] (WO2019/071598)

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[13] A1
[51] **Int.Cl. H04B 11/00 (2006.01) H04L 12/70 (2013.01) E21B 47/12 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PERFORMING OPERATIONS WITH COMMUNICATIONS**
[54] **PROCEDE ET SYSTEME PERMETTANT DE REALISER DES OPERATIONS AVEC DES COMMUNICATIONS**
[72] DISKO, MARK M., US
[72] WALKER, KATIE M., US
[72] CLAWSON, SCOTT W., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2020-04-08
[86] 2018-09-24 (PCT/US2018/052364)
[87] (WO2019/074658)
[30] US (62/572,147) 2017-10-13

[21] **3,078,837**
[13] A1
[51] **Int.Cl. H04L 29/02 (2006.01)**
[25] EN
[54] **METHOD FOR TRANSMITTING DATA, NETWORK DEVICE AND TERMINAL DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL**
[72] YANG, NING, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-04-09
[86] 2017-10-28 (PCT/CN2017/108199)
[87] (WO2019/080137)

[21] **3,078,838**
[13] A1
[51] **Int.Cl. E21B 17/042 (2006.01)**
[25] EN
[54] **THREADED CONNECTION PARTIALLY IN A SELF-LOCKING ENGAGEMENT**
[54] **CONNEXION FILETEE PARTIELLEMENT EN PRISE D'AUTO-BLOCAGE**
[72] LANGFORD, STEVE, FR
[72] OTT, WESLEY, FR
[71] VALLOUREC OIL AND GAS FRANCE, FR
[71] NIPPON STEEL CORPORATION, JP
[85] 2020-04-09
[86] 2018-10-02 (PCT/EP2018/076734)
[87] (WO2019/076622)
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[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01) H04L 27/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROL SIGNALING**
[54] **SYSTEME ET PROCEDE POUR SIGNALISATION DE CONTROLE**
[72] LIU, BIN, US
[72] LIU, XIANDA, CN
[72] LIU, KUNPENG, CN
[72] KWON, YOUNGHOON, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-04-09
[86] 2018-10-08 (PCT/CN2018/109277)
[87] (WO2019/072138)
[30] US (62/570,418) 2017-10-10
[30] US (62/589,945) 2017-11-22
[30] US (16/015,842) 2018-06-22

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[13] A1
[51] **Int.Cl. A61K 6/00 (2020.01)**
[25] EN
[54] **PHOTOCURABLE DENTAL COMPOSITION**
[54] **COMPOSITION DENTAIRE PHOTODURCISSABLE**
[72] SZILLAT, FLORIAN, DE
[72] MAIER, MAXIMILIAN, DE
[72] RENN, CAROLINE, DE
[72] KLEE, JOACHIM E., DE
[72] ELSNER, OLIVER, DE
[72] KEMPTER, JORG, DE
[72] LALEVEE, JACQUES, FR
[72] BOUZRATI-ZERELLI, MARIEM, FR
[72] KIRSCHNER, JULIE, FR
[71] DENTSPLY DETREY GMBH, DE
[85] 2020-04-09
[86] 2018-10-09 (PCT/EP2018/077383)
[87] (WO2019/072787)
[30] EP (17196330.9) 2017-10-13

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[13] A1
[51] **Int.Cl. A47J 37/06 (2006.01)**
[25] EN
[54] **LATCH FOR MOVABLE GRILL**
[54] **VERROU POUR GRIL MOBILE**
[72] PAHNKE, CARL A., US
[72] NELSON, DENNIS J., US
[72] NORRIS, CHRISTOPHER P., US
[72] SANDS, JEFFREY L., US
[72] MATZ, NATHAN A., US
[72] FREYMILLER, OTLEY DWIGHT, US
[71] TAYLOR COMMERCIAL FOODSERVICE INC., US
[85] 2020-04-08
[86] 2018-10-04 (PCT/US2018/054346)
[87] (WO2019/074756)
[30] US (62/569,906) 2017-10-09

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[13] A1
[51] **Int.Cl. E21B 47/10 (2012.01)**
[25] EN
[54] **DETECTING EVENTS USING ACOUSTIC FREQUENCY DOMAIN FEATURES**
[54] **DETECTION D'EVENEMENTS A L'AIDE DE CARACTERISTIQUES ACOUSTIQUES DE DOMAINE FREQUENTIEL**
[72] LANGNES, TOMMY, GB
[72] THIRUVENKATANATHAN, PRADYUMNA, GB
[71] BP EXPLORATION OPERATING COMPANY LIMITED, GB
[85] 2020-04-09
[86] 2018-10-10 (PCT/EP2018/077568)
[87] (WO2019/072899)
[30] US (62/571070) 2017-10-11

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[13] A1
[51] **Int.Cl. H01L 23/36 (2006.01) H01L 23/373 (2006.01) H05K 1/16 (2006.01)**
[25] EN
[54] **HEAT SINK, INTEGRATED CIRCUIT CHIP AND CIRCUIT BOARD**
[54] **DISSIPATEUR THERMIQUE, PUCE DE CIRCUIT INTEGRE ET CARTE A CIRCUIT IMPRIME**
[72] ZOU, TONG, CN
[72] ZHAN, MICREE, CN
[72] CHENG, WENJIE, CN
[71] BITMAIN TECHNOLOGIES INC., CN
[85] 2020-04-09
[86] 2018-10-09 (PCT/CN2018/109421)
[87] (WO2019/072161)
[30] CN (201710936285.3) 2017-10-10

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[13] A1
[51] **Int.Cl. A61K 47/00 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL RESINATE COMPOSITIONS AND METHODS OF MAKING AND USING THEREOF**
[54] **COMPOSITIONS PHARMACEUTIQUES A BASE DE RESINATE, ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] SADATREZAEI, MOHSEN, US
[72] FRUNZI, GERARD P., US
[71] RHODES PHARMACEUTICALS L.P., US
[85] 2020-04-08
[86] 2018-10-08 (PCT/US2018/054830)
[87] (WO2019/074829)
[30] US (62/569,813) 2017-10-09

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[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/113 (2010.01) C12N 15/82 (2006.01) C12N 15/83 (2006.01)**
[25] EN
[54] **TYPE I-E CRISPR-CAS SYSTEMS FOR EUKARYOTIC GENOME EDITING**
[54] **SYSTEMES CRISPR-CAS DE TYPE I-E POUR EDITION DE GENOME EUCARYOTE**
[72] GASIOR, STEPHEN LAWRENCE, US
[72] YOUNG, JOSHUA K., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2020-04-08
[86] 2018-10-08 (PCT/US2018/054856)
[87] (WO2019/074841)
[30] US (62/569,836) 2017-10-09
[30] US (62/639,791) 2018-03-07
[30] US (62/670,434) 2018-05-11
[30] US (62/693,533) 2018-07-03

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[13] A1
[51] **Int.Cl. B65D 19/38 (2006.01) G01L 1/14 (2006.01) F16B 21/08 (2006.01)**
[25] EN
[54] **PALLET SYSTEM AS WELL AS MEASURING COMPONENT**
[54] **SYSTEME DE PALETTE ET COMPOSANT DE MESURE**
[72] PANNICKE, MARCO, DE
[71] CHEP TECHNOLOGY PTY LTD, AU
[85] 2020-04-09
[86] 2018-10-11 (PCT/EP2018/077749)
[87] (WO2019/072975)
[30] IT (102017000115209) 2017-10-12

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[13] A1
[51] **Int.Cl. D06F 95/00 (2006.01)**
[25] EN
[54] **A MACHINE FOR THE PROCESSING OF LINEN ITEMS IN AN INDUSTRIAL LAUNDRY, A METHOD FOR OPERATING THE MACHINE, AND AN INDUSTRIAL LAUNDRY**
[54] **MACHINE DE TRAITEMENT DU LINGE DANS UNE BLANCHISSERIE INDUSTRIELLE, PROCEDE DE FONCTIONNEMENT DE LA MACHINE, ET BLANCHISSERIE INDUSTRIELLE**
[72] CORDUA, KIM, DK
[72] LUNDT, MORTEN, DK
[71] JENSEN DENMARK A/S, DK
[85] 2020-04-09
[86] 2018-10-08 (PCT/EP2018/077293)
[87] (WO2019/072751)
[30] DK (PA201770778) 2017-10-13

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[13] A1
[51] **Int.Cl. H05B 47/10 (2020.01) B81C 1/00 (2006.01) G02B 6/13 (2006.01) H01L 21/268 (2006.01)**
[25] EN
[54] **LIGHT GENERATING METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE GENERATION DE LUMIERE**
[72] WANG, LIJIANG, CN
[72] WANG, WEI, CN
[72] ZHU, SONG, CN
[71] SHANGHAI BIXIUFU ENTERPRISE MANAGEMENT CO., LTD., CN
[85] 2020-04-09
[86] 2018-10-23 (PCT/CN2018/111323)
[87] (WO2019/080819)
[30] CN (201710995561.3) 2017-10-23

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **ANTIBODIES AND VARIANTS THEREOF AGAINST PD-L1**
[54] **ANTICORPS ET LEURS VARIANTS DIRIGES CONTRE PD-L1**
[72] YANG, SHUAI, CN
[72] CHOU, CHUAN-CHU, US
[72] WU, SHU, CN
[72] YIN, LIUSONG, CN
[72] LIN, FENG, CN
[71] NANJING LEGEND BIOTECH CO., LTD., CN
[85] 2020-04-09
[86] 2018-12-28 (PCT/CN2018/124925)
[87] (WO2019/129211)
[30] CN (PCT/CN2017/119505) 2017-12-28

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[13] A1
[51] **Int.Cl. B25J 9/16 (2006.01) G06T 7/10 (2017.01)**
[25] EN
[54] **CONTROL DEVICE AND METHOD FOR A ROBOT SYSTEM FOR LOCATING OBJECTS AND CALCULATING APPROPRIATE GRASP POINTS FOR EACH OBJECT**
[54] **DISPOSITIF ET PROCEDE DE COMMANDE POUR UN SYSTEME DE ROBOT POUR LOCALISER DES OBJETS ET CALCULER DES POINTS DE SAISIE APPROPRIES POUR CHAQUE OBJET**
[72] DEACON, GRAHAM, GB
[72] PEDRO, OSEMWARO, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2020-04-09
[86] 2018-11-16 (PCT/EP2018/081589)
[87] (WO2019/097004)
[30] GB (1719058.8) 2017-11-17

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[13] A1
[51] **Int.Cl. B60W 30/16 (2020.01)**
[25] EN
[54] **POSITIONING AT LEAST ONE VEHICLE IN RELATION TO A SET OF MOVING TARGETS**
[54] **POSITIONNEMENT D'AU MOINS UN VEHICULE PAR RAPPORT A UN ENSEMBLE DE CIBLES MOBILES**
[72] BOOKLESS, JOHN PATERSON, GB
[72] DEITTERT, MARKUS, GB
[71] BAE SYSTEMS PLC, GB
[85] 2020-04-09
[86] 2018-10-24 (PCT/GB2018/053068)
[87] (WO2019/081921)
[30] GB (1717450.9) 2017-10-24
[30] EP (17275171.1) 2017-10-24

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[13] A1
[51] **Int.Cl. A01N 59/00 (2006.01) A61K 35/644 (2015.01) A61K 47/69 (2017.01) A01N 25/04 (2006.01) A01N 25/10 (2006.01) A01N 25/14 (2006.01) A01N 43/16 (2006.01) A01P 1/00 (2006.01) A61K 31/7004 (2006.01) A61K 33/40 (2006.01) A61K 38/44 (2006.01) A61L 15/38 (2006.01) A61L 15/60 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL SUPERABSORBENT COMPOSITIONS**
[54] **COMPOSITIONS ANTIMICROBIENNES SUPERABSORBANTES**
[72] HALL, THOMAS, GB
[72] COX, SOPHIE CONSTANCE, GB
[72] GROVER, LIAM MICHAEL, GB
[72] KERSHAW, DAVID, GB
[71] MATOKE HOLDINGS LIMITED, GB
[85] 2020-04-09
[86] 2018-10-16 (PCT/GB2018/052976)
[87] (WO2019/077335)
[30] GB (1716986.3) 2017-10-16

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[13] A1
[51] **Int.Cl. H04N 21/2668 (2011.01) H04H 20/10 (2009.01) H04N 21/258 (2011.01) H04N 21/262 (2011.01) H04N 21/61 (2011.01) H04N 21/81 (2011.01)**
[25] EN
[54] **MEDIA BREAK MANAGEMENT**
[54] **GESTION DE PAUSE MULTIMEDIA**
[72] HENDERSON, DAVID, GB
[72] WHITESIDE, LIAM, GB
[71] GLOBAL RADIO SERVICES LIMITED, GB
[85] 2020-04-09
[86] 2018-10-12 (PCT/GB2018/052950)
[87] (WO2019/073266)
[30] GB (1716894.9) 2017-10-13

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[13] A1
[51] **Int.Cl. H02B 1/30 (2006.01)**
[25] EN
[54] **ARRANGEMENT COMPRISING TWO SWITCH CABINET RACKS INTERCONNECTED BY MEANS OF A BAYING CONNECTOR**
[54] **DISPOSITIF MUNI DE DEUX PROFILES DE CADRE D'ARMOIRE ELECTRIQUE RELIES ENTRE EUX PAR UN RACCORD DE JONCTION**
[72] REUTER, WOLFGANG, DE
[72] SCHINDLER, TIMO, DE
[72] HOF, MICHAEL, DE
[71] RITTAL GMBH & CO. KG, DE
[85] 2020-04-09
[86] 2018-12-17 (PCT/DE2018/101026)
[87] (WO2019/149300)
[30] DE (20 2018 100 613.4) 2018-02-05

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[13] A1
[51] **Int.Cl. H04N 21/81 (2011.01) H04H 60/06 (2009.01) H04N 21/258 (2011.01) H04N 21/262 (2011.01) H04N 21/61 (2011.01)**
[25] EN
[54] **MEDIA BREAK WINDOW**
[54] **FENETRE DE PAUSE MULTIMEDIA**
[72] HENDERSON, DAVID, GB
[72] WHITESIDE, LIAM, GB
[71] GLOBAL RADIO SERVICES LIMITED, GB
[85] 2020-04-09
[86] 2018-10-12 (PCT/GB2018/052949)
[87] (WO2019/073265)
[30] GB (1716898.0) 2017-10-13

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[13] A1
[51] **Int.Cl. A46B 9/02 (2006.01) A46B 9/04 (2006.01) A46B 9/06 (2006.01) A61C 17/32 (2006.01)**
[25] EN
[54] **BRUSH HEAD FOR AN ORAL CARE IMPLEMENT**
[54] **TETE DE BROSSE D'INSTRUMENT D'HYGIENE BUCCALE**
[72] ALTMANN, NICLAS, DE
[72] STORKEL, ULRICH, DE
[72] BECKER-SALZSAULER, BIANKA, DE
[72] BAUERNFEIND, SIEGFRIED, DE
[71] BRAUN GMBH, DE
[85] 2020-04-08
[86] 2018-10-31 (PCT/IB2018/058531)
[87] (WO2019/087091)
[30] EP (17199718.2) 2017-11-02

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[51] **Int.Cl. A24F 40/10 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **AEROSOL PROVISION SYSTEMS**
[54] **SYSTEMES D'APPORT D'AEROSOL**
[72] HEPWORTH, RICHARD, GB
[72] MOLONEY, PATRICK, GB
[72] ABI AOUN, WALID, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2020-04-09
[86] 2018-10-11 (PCT/GB2018/052912)
[87] (WO2019/073239)
[30] GB (1716730.5) 2017-10-12

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[13] A1
[51] **Int.Cl. H04N 21/81 (2011.01) H04N 21/218 (2011.01) H04N 21/2343 (2011.01) H04N 21/439 (2011.01) H04N 21/6587 (2011.01)**
[25] EN
[54] **OPTIMIZING AUDIO DELIVERY FOR VIRTUAL REALITY APPLICATIONS**
[54] **OPTIMISATION DE DIFFUSION AUDIO POUR APPLICATIONS DE REALITE VIRTUELLE**
[72] MURTAZA, ADRIAN, DE
[72] FUCHS, HARALD, DE
[72] CZELHAN, BERND, DE
[72] PLOGSTIES, JAN, DE
[72] AGNELLI, MATTEO, DE
[72] HOFMANN, INGO, DE
[71] FFRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-04-09
[86] 2018-10-11 (PCT/EP2018/077770)
[87] (WO2019/072984)
[30] EP (17196259.0) 2017-10-12

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[13] A1
[51] **Int.Cl. A24F 40/10 (2020.01) A24F 40/40 (2020.01) A24F 47/00 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **VAPOUR PROVISION SYSTEMS**
[54] **SYSTEMES DE FOURNITURE DE VAPEUR**
[72] HEPWORTH, RICHARD, GB
[72] MOLONEY, PATRICK, GB
[72] ABI AOUN, WALID, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2020-04-09
[86] 2018-10-11 (PCT/GB2018/052911)
[87] (WO2019/073238)
[30] GB (1716732.1) 2017-10-12

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[13] A1
[51] **Int.Cl. A24F 40/20 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **AEROSOL PROVISION SYSTEMS**
[54] **SYSTEME D'INJECTION D'AEROSOL**
[72] HEPWORTH, RICHARD, GB
[72] MOLONEY, PATRICK, GB
[72] DICKENS, COLIN, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2020-04-09
[86] 2018-10-11 (PCT/GB2018/052910)
[87] (WO2019/073237)
[30] GB (1716735.4) 2017-10-12

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[13] A1
[51] **Int.Cl. E04G 25/04 (2006.01) E04G 11/48 (2006.01) E04G 11/54 (2006.01) E04G 11/56 (2006.01) E04G 25/06 (2006.01) E04G 25/08 (2006.01)**
[25] EN
[54] **SUPPORT FOR SUPPORTING A STRUCTURE REGION**
[54] **ETAI DESTINE A ETAYER UNE ZONE DE CONSTRUCTION**
[72] READ, ANDREW, DE
[72] STURM, FLORIAN, DE
[71] PERI GMBH, DE
[85] 2020-04-09
[86] 2018-10-22 (PCT/EP2018/078824)
[87] (WO2019/077155)
[30] DE (10 2017 218 783.2) 2017-10-20

[21] **3,078,862**
[13] A1
[51] **Int.Cl. B66B 1/24 (2006.01)**
[25] EN
[54] **METHOD AND ELEVATOR CONTROLLER FOR CONTROLLING AN ELEVATOR GROUP HAVING A PLURALITY OF ELEVATORS ON THE BASIS OF DESTINATION CALLS**
[54] **PROCEDE ET COMMANDE D'ASCENSEUR PERMETTANT DE COMMANDER UN GROUPE D'ASCENSEURS COMPRENANT UNE PLURALITE D'ASCENSEURS SUR LA BASE D'APPELS**
[72] CARONI, STEFANO, CH
[71] INVENTIO AG, CH
[85] 2020-04-08
[86] 2018-11-27 (PCT/EP2018/082666)
[87] (WO2019/120899)
[30] EP (17209813.9) 2017-12-21

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[13] A1
[51] **Int.Cl. G01B 11/16 (2006.01) G01B 9/02 (2006.01) G01D 5/26 (2006.01) G01D 5/28 (2006.01) G01R 33/02 (2006.01) G01R 33/032 (2006.01) G02B 26/00 (2006.01)**
[25] EN
[54] **DETECTION OF FIELDS**
[54] **DETECTION DE CHAMPS**
[72] KNUDSEN, SVERRE, NO
[72] LACOLLE, MATTHIEU, NO
[72] STAMNES, OYVIND NISTAD, NO
[72] KOLBERG, SIGBJORN, NO
[72] SKOKIC, ZELJIKO, NO
[72] HJELSTUEN, MAGNUS BLIHOVDE, NO
[72] GJESSING, JO, NO
[72] VOGL, ANDREAS, NO
[72] JOHANSEN, IB-RUNE, NO
[71] SINTEF TTO AS, NO
[85] 2020-04-09
[86] 2018-10-10 (PCT/GB2018/052899)
[87] (WO2019/073231)
[30] GB (1716577.0) 2017-10-10

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[13] A1
[51] **Int.Cl. B23K 26/00 (2014.01) B23K 26/144 (2014.01) B23K 26/322 (2014.01) B23K 26/12 (2014.01) B23K 26/26 (2014.01) B23K 26/36 (2014.01) B23K 26/38 (2014.01) B23K 28/02 (2014.01) B32B 15/01 (2006.01) C22C 38/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A PRECOATED STEEL SHEET AND ASSOCIATED SHEET**
[54] **PROCEDE DE PRODUCTION D'UNE TOLE D'ACIER PRE-REVETUE ET TOLE ASSOCIEE**
[72] BERNARDI, QUENTIN, FR
[72] MAI, TUAN A., CA
[72] VAN DER BORGHT, NICOLAAS, BE
[71] ARCELORMITTAL, LU
[85] 2020-04-09
[86] 2017-10-20 (PCT/IB2017/056547)
[87] (WO2019/077395)

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[13] A1
[51] **Int.Cl. A61K 31/4439 (2006.01) A61P 13/12 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING DISEASES ASSOCIATED WITH CILIOPATHIES**
[54] **METHODES DE TRAITEMENT DE MALADIES ASSOCIEES A DES CILIOPATHIES**
[72] SAUNIER, SOPHIE, FR
[72] BRISENO-ROA, LUIS, FR
[72] SIN-MONNOT, SORAYA, FR
[72] ANNEREAU, JEAN-PHILIPPE, FR
[72] DELOUS, MARION, FR
[72] GARCIA, HUGO, FR
[72] DEL ANGEL, GUILLERMO, US
[72] LEGENDRE, FLORA, FR
[71] ALEXION PHARMACEUTICALS, INC., US
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[85] 2020-04-08
[86] 2018-10-12 (PCT/US2018/055670)
[87] (WO2019/075369)
[30] US (62/572,051) 2017-10-13

[21] **3,078,867**
[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **PROCESSING SENSITIVE INFORMATION OVER VOIP**
[54] **TRAITEMENT D'INFORMATIONS SENSIBLES SUR VOIP**
[72] FORSYTH, GEOFF, GB
[72] BRANCO, CESAR, GB
[72] THORPE, JAMES, GB
[71] PCI-PAL (U.K.) LIMITED, GB
[85] 2020-04-09
[86] 2018-10-09 (PCT/GB2018/052880)
[87] (WO2019/073216)
[30] GB (1716649.7) 2017-10-11

[21] **3,078,868**
[13] A1
[51] **Int.Cl. A61N 1/30 (2006.01)**
[25] EN
[54] **DEVICE THAT CAN BE HELD ON ONE HAND FOR ELECTRICALLY ASSISTED SKIN TREATMENT, ADDITIONAL PART FOR SAID DEVICE AND BLISTER FOR SAID ADDITIONAL PART**
[54] **APPAREIL PORTATIF A LA MAIN POUR LE TRAITEMENT ELECTRIQUEMENT ASSISTE DE LA PEAU, ACCESSOIRE POUR CET APPAREIL ET BLISTER POUR CET ACCESSOIRE**
[72] GIMELLI, BRUNO, CH
[72] DOYLE, JAMES N., US
[71] SWISS SPA SYSTEM LTD., CN
[85] 2020-04-09
[86] 2018-10-11 (PCT/EP2018/077796)
[87] (WO2019/073001)
[30] DE (10 2017 123 809.3) 2017-10-12

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[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/12 (2006.01) C12M 1/32 (2006.01)**
[25] EN
[54] **IMPROVED CELL CULTURE DEVICE**
[54] **DISPOSITIF DE CULTURE CELLULAIRE AMELIORE**
[72] ANTONIN, SANDOZ, CH
[72] DAVID, BOVARD, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2020-04-09
[86] 2018-12-19 (PCT/EP2018/085943)
[87] (WO2019/121984)
[30] EP (17208965.8) 2017-12-20

[21] **3,078,870**
[13] A1
[51] **Int.Cl. B02C 13/16 (2006.01) B02C 13/28 (2006.01)**
[25] EN
[54] **STRIKING TOOL FOR USE IN A HIGH SPEED COMMINUTION MILL**
[54] **OUTIL DE FRAPPE DESTINE A ETRE UTILISE DANS UN MOULIN DE BROYAGE A GRANDE VITESSE**
[72] BUSH, PETER ROBERT, GB
[72] ZUNEGA, JONEE CHRISTINE PAREDES, GB
[72] RIES, BERND HEINRICH, DE
[72] SARIDIKMEN, HABIB, GB
[71] ELEMENT SIX (UK) LIMITED, GB
[71] ELEMENT SIX GMBH, DE
[85] 2020-04-09
[86] 2018-12-20 (PCT/EP2018/086136)
[87] (WO2019/122093)
[30] GB (1721690.4) 2017-12-22

[21] **3,078,871**
[13] A1
[51] **Int.Cl. G08G 5/00 (2006.01) G08G 5/04 (2006.01)**
[25] EN
[54] **AN AIRCRAFT TRAFFIC CONTROL METHOD**
[54] **PROCEDE DE COMMANDE DE TRAFIC AERIEN**
[72] VINATI, FELICE, IT
[72] VINATI, GIACOMO, IT
[72] VINATI, MATTEO, IT
[72] VINATI, MARIACHIARA, IT
[72] VINATI, SAMUELE, IT
[71] VINATI S.R.L., IT
[85] 2020-04-09
[86] 2018-09-28 (PCT/IB2018/057538)
[87] (WO2019/081999)
[30] IT (102017000121411) 2017-10-25

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[13] A1
[51] **Int.Cl. C07D 271/06 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF 3-SUBSTITUTED 1,2,4-OXADIAZOLE**
[54] **FORMES CRISTALLINES DE 1,2,4-OXADIAZOLE A SUBSTITUTION EN POSITION 3**
[72] SASIKUMAR, POTTAYIL GOVINDAN NAIR, IN
[72] NAREMADDEPALLI, SEETHARAMAIAH SETTY SUDARSHAN, IN
[71] AURIGENE DISCOVERY TECHNOLOGIES LIMITED, IN
[85] 2020-04-09
[86] 2018-10-10 (PCT/IB2018/057840)
[87] (WO2019/073399)
[30] IN (201741036169) 2017-10-11

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[13] A1
[51] **Int.Cl. A23P 30/20 (2016.01)**
[25] EN
[54] **COOLING NOZZLE FOR EXTRUDER**
[54] **BUSE DE REFROIDISSEMENT POUR EXTRUDEUSE**
[72] ISAAK, JOHANN, DE
[72] REIMER, DIMITRI, DE
[71] DEUTSCHES INSTITUT FUR LEBENSMITTELTECHNIK E.V., DE
[85] 2020-04-09
[86] 2018-12-21 (PCT/EP2018/086757)
[87] (WO2019/129744)
[30] DE (DE 10 2017 223 829.1) 2017-12-27

[21] **3,078,875**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEM, METHOD, AND APPARATUS FOR DETERMINING AND CORRECTING SHIPPING VOLUMES**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR DETERMINER ET CORRIGER DES VOLUMES D'EXPEDITION**
[72] SWARTZ, PETER GOODINGS, US
[72] KING, HANNA SIMONA KIPNIS, US
[72] GARNETT, TIMOTHY GEORGE, US
[72] PSOTA, JAMES RYAN, US
[71] PANJIVA, INC., US
[85] 2020-04-08
[86] 2018-10-12 (PCT/US2018/055743)
[87] (WO2019/075427)
[30] US (62/571,720) 2017-10-12

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[13] A1
[51] **Int.Cl. A24F 40/10 (2020.01) A61M 11/04 (2006.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **AEROSOL DELIVERY DEVICE INCLUDING A CONTROL BODY, AN ATOMIZER BODY, AND A CARTRIDGE AND RELATED METHODS**
[54] **DISPOSITIF DE DISTRIBUTION D'AEROSOL COMPRENANT UN CORPS DE COMMANDE, UN CORPS D'ATOMISEUR ET UNE CARTOUCHE ET PROCEDES ASSOCIES**
[72] ROGERS, JAMES WILLIAM, US
[72] MINSKOFF, NOAH M., US
[71] RAI STRATEGIC HOLDINGS, INC., US
[85] 2020-04-09
[86] 2018-10-11 (PCT/IB2018/057887)
[87] (WO2019/073434)
[30] US (15/782,543) 2017-10-12

[21] **3,078,877**
[13] A1
[51] **Int.Cl. G09B 5/12 (2006.01) G09B 7/00 (2006.01)**
[25] EN
[54] **METHOD FOR ACTIVITY-BASED LEARNING WITH OPTIMIZED DELIVERY**
[54] **PROCEDE D'APPRENTISSAGE BASE SUR L'ACTIVITE AVEC DISTRIBUTION OPTIMISEE**
[72] CLINTON, LISA MARIE, IE
[72] CRONIN, MARY ANN, IE
[71] AVAIL SUPPORT LIMITED, IE
[85] 2020-04-09
[86] 2018-10-11 (PCT/IB2018/057903)
[87] (WO2019/073441)
[30] US (62/571,068) 2017-10-11

[21] **3,078,878**
[13] A1
[51] **Int.Cl. B66B 9/08 (2006.01)**
[25] EN
[54] **A CARRIAGE AND A SLIDING SUPPORT APPARATUS FOR A STAIRLIFT**
[54] **CHARIOT ET APPAREIL DE SUPPORT COULISSANT POUR MONTE-ESCALIER**
[72] LODI, FEDERICO, IT
[71] EXTREMA S.R.L., IT
[85] 2020-04-09
[86] 2018-10-16 (PCT/IB2018/057995)
[87] (WO2019/077479)
[30] IT (102017000117273) 2017-10-17

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[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 43/26 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **AUTOMATIC FRACTURING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE FRACTURATION AUTOMATIQUE**
[72] OEHRING, JARED, US
[72] CHRISTINZIO, ALEXANDER JAMES, US
[72] HINDERLITER, BRANDON N., US
[71] U.S. WELL SERVICES, LLC, US
[85] 2020-04-08
[86] 2018-10-15 (PCT/US2018/055913)
[87] (WO2019/075475)
[30] US (62/572,148) 2017-10-13

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[13] A1
[51] **Int.Cl. H01L 23/40 (2006.01) H01L 23/367 (2006.01) H01L 23/46 (2006.01)**
[25] EN
[54] **COOLING DEVICE AND METHOD FOR HEAT-GENERATING COMPONENTS**
[54] **DISPOSITIF DE REFROIDISSEMENT ET PROCEDE POUR COMPOSANTS DE GENERATION DE CHALEUR**
[72] LIVINGSTON, DAVID HERBERT, US
[71] LIVINGSTON, DAVID HERBERT, US
[85] 2020-04-08
[86] 2018-10-16 (PCT/US2018/055985)
[87] (WO2019/079230)
[30] US (62/572,983) 2017-10-16
[30] US (16/159,879) 2018-10-15

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[13] A1
[51] **Int.Cl. G02B 27/44 (2006.01) G02B 5/18 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR TUNABLE GRADIENT PATTERNING USING A SHADOW MASK**
[54] **PROCEDE ET SYSTEME DE FORMATION DE MOTIFS A GRADIENT ACCORDABLE A L'AIDE D'UN MASQUE PERFORE**
[72] YANG, SHUQIANG, US
[72] SINGH, VIKRAMJIT, US
[72] LUO, KANG, US
[72] PI, NAI-WEN, US
[72] XU, FRANK Y., US
[71] MAGIC LEAP, INC., US
[85] 2020-04-08
[86] 2018-11-06 (PCT/US2018/059440)
[87] (WO2019/090328)
[30] US (62/582,082) 2017-11-06

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[13] A1
[51] **Int.Cl. H04N 13/239 (2018.01) H04N 13/246 (2018.01) G06T 7/00 (2017.01) H04N 5/247 (2006.01) G02B 5/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR EXTRINSIC CALIBRATION OF CAMERAS AND DIFFRACTIVE OPTICAL ELEMENTS**
[54] **SYSTEME ET PROCEDES D'ETALONNAGE EXTRINSEQUE D'APPAREILS PHOTO ET D'ELEMENTS OPTIQUES DIFFRACTIFS**
[72] JIA, ZHIHENG, US
[72] GROSSMANN, ETIENNE GREGOIRE, US
[72] ZHENG, HAO, US
[71] MAGIC LEAP, INC., US
[85] 2020-04-08
[86] 2018-11-13 (PCT/US2018/060833)
[87] (WO2019/099408)
[30] US (62/586,691) 2017-11-15
[30] US (62/588,239) 2017-11-17

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[13] A1
[51] **Int.Cl. B66B 9/08 (2006.01) B66B 5/04 (2006.01)**
[25] EN
[54] **A BRAKING UNIT FOR A STAIRLIFT**
[54] **UNITE DE FREINAGE POUR MONTE-ESCALIER**
[72] LODI, FEDERICO, IT
[71] EXTREMA S.R.L., IT
[85] 2020-04-09
[86] 2018-10-16 (PCT/IB2018/058000)
[87] (WO2019/077481)
[30] IT (102017000117293) 2017-10-17

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[13] A1
[51] **Int.Cl. F24F 13/28 (2006.01) A01G 9/24 (2006.01) A01G 31/06 (2006.01) F24F 7/08 (2006.01) F24F 7/10 (2006.01) F24F 11/00 (2018.01) F24F 13/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR THE AIR CONDITIONING OF CLOSED ENVIRONMENTS, IN PARTICULAR FOR VERTICAL FARMS**
[54] **PROCEDE ET SYSTEME DE CONDITIONNEMENT D'AIR D'ENVIRONNEMENTS FERMES, EN PARTICULIER POUR FERMES VERTICALES**
[72] TRAVAGLINI, LUCA, IT
[71] TRAVAGLINI S.P.A., IT
[85] 2020-04-09
[86] 2018-10-19 (PCT/IB2018/058143)
[87] (WO2019/077569)
[30] IT (102017000118942) 2017-10-20

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[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 31/4164 (2006.01)**
[25] EN
[54] **ORAL RIFAMYCIN SV COMPOSITIONS**
[54] **COMPOSITIONS ORALES DE RIFAMYCINE SV**
[72] MORO, LUIGI, IT
[72] LONGO, LUIGI MARIA, IT
[71] COSMO TECHNOLOGIES LTD., IE
[85] 2020-04-09
[86] 2018-11-07 (PCT/IB2018/058748)
[87] (WO2019/092614)
[30] US (62/584,226) 2017-11-10

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[13] A1
[51] **Int.Cl. C08B 37/08 (2006.01)**
[25] EN
[54] **FUNCTIONALIZED HYALURONIC ACID OR A DERIVATIVE THEREOF IN THE TREATMENT OF INFLAMMATORY STATES**
[54] **ACIDE HYALURONIQUE FONCTIONNALISE OU UN DERIVE DE CELUI-CI DANS LE TRAITEMENT D'ETATS INFLAMMATOIRES**
[72] BIANCHINI, GIULIO, IT
[72] CALLEGARO, LANFRANCO, IT
[71] JOINTHERAPEUTICS SRL, IT
[85] 2020-04-09
[86] 2018-10-24 (PCT/IB2018/058297)
[87] (WO2019/082097)
[30] IT (102017000122135) 2017-10-26

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[13] A1
[51] **Int.Cl. A61B 17/68 (2006.01) A61B 17/80 (2006.01) A61B 17/82 (2006.01)**
[25] EN
[54] **BONE FRACTURE FIXATION CLAMP WITH BONE REMODELING ADAPTABILITY**
[54] **PINCE DE FIXATION DE FRACTURE OSSEUSE AVEC ADAPTABILITE DE REMODELAGE OSSEUX**
[72] FATONE, PETER, US
[72] COOMBS, DANA, US
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2020-04-09
[86] 2018-11-26 (PCT/IB2018/059309)
[87] (WO2019/106520)
[30] US (62/593,168) 2017-11-30

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[13] A1
[51] **Int.Cl. A61B 1/31 (2006.01) A61B 17/04 (2006.01)**
[25] EN
[54] **DEVICE FOR USE IN THE TREATMENT OF HEMORRHOIDS**
[54] **DISPOSITIF DESTINE A ETRE UTILISE DANS LE TRAITEMENT DES HEMORROIDES**
[72] UNGERSTEDT, JOHAN, SE
[71] DEVELOPERATION AB, SE
[85] 2020-04-09
[86] 2018-10-12 (PCT/SE2018/051044)
[87] (WO2019/074439)
[30] SE (1751278-1) 2017-10-13

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[13] A1
[51] **Int.Cl. A01C 21/00 (2006.01) G06Q 50/02 (2012.01) A01G 2/00 (2018.01) G06F 3/00 (2006.01) G06N 3/08 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING AND OPERATING AN AGRICULTURAL-ORIGIN-PRODUCT MANUFACTURING SUPPLY CHAIN**
[54] **SYSTEME ET PROCEDE DE GESTION ET DE FONCTIONNEMENT D'UNE CHAINE LOGISTIQUE DE FABRICATION DE PRODUITS D'ORIGINE AGRICOLE**
[72] ENGLARD, ILAY, IL
[72] HELFMAN, NADAV, IL
[72] OREN, ISHAI, IL
[71] ATP LABS LTD., IL
[85] 2020-04-09
[86] 2018-10-11 (PCT/IL2018/051098)
[87] (WO2019/073472)
[30] US (62/571,828) 2017-10-13

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[13] A1
[51] **Int.Cl. H04N 19/119 (2014.01) H04N 19/167 (2014.01) H04N 19/176 (2014.01) H04N 19/46 (2014.01) H04N 19/96 (2014.01)**
[25] EN
[54] **MOVING IMAGE ENCODING DEVICE, MOVING IMAGE ENCODING METHOD, MOVING IMAGE ENCODING COMPUTER PROGRAM, MOVING IMAGE DECODING DEVICE, MOVING IMAGE DECODING METHOD, AND MOVING IMAGE DECODING COMPUTER PROGRAM**
[54] **DISPOSITIF D'ENCODAGE D'IMAGE EN MOUVEMENT, PROCEDE D'ENCODAGE D'IMAGE EN MOUVEMENT, PROGRAMME INFORMATIQUE D'ENCODAGE D'IMAGE EN MOUVEMENT, DISPOSITIF DE DECODAGE D'IMAGE EN MOUVEMENT, PROCEDE DE DECODAGE D'IMAGE EN MOUVEMENT ET PROGRAMME INFORMATIQUE DE DECODAGE D'IMAGE EN MOUVEMENT**
[72] TAKEUCHI, KENSHIRO, JP
[72] BARROUX, GUILLAUME DENIS CHRISTIAN, JP
[72] KAZUI, KIMIHIKO, JP
[71] FUJITSU LIMITED, JP
[85] 2020-04-09
[86] 2017-10-20 (PCT/JP2017/038062)
[87] (WO2019/077751)

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[13] A1
[51] **Int.Cl. B23K 11/30 (2006.01)**
[25] EN
[54] **CHIP-SCATTERING PREVENTION COVER**
[54] **COUVERCLE DE PREVENTION DE DISPERSION DE SCIURE DE BOIS**
[72] NAKAJIMA, KOTARO, JP
[71] KYOKUTOH CO., LTD., JP
[85] 2020-04-09
[86] 2018-07-24 (PCT/JP2018/027775)
[87] (WO2019/097766)
[30] JP (2017-222415) 2017-11-20

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[54] **STRUCTURE ASSEMBLEE DE CHEVAUCHEMENT**
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[71] NIPPON STEEL CORPORATION, JP
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[54] **COMPOSITIONS DE DIPHENYLAMINE POLYMERE ANTIOXYDANTE**
[72] FARNG, OSCAR, US
[72] SANCHEZ JIMENEZ, GRACIELA, US
[72] DERY, MARY ELIZABETH, US
[72] ODORISIO, PAUL A., US
[72] RAKESTRAW, BRIDGETT E., US
[72] SHUM, SAI P., US
[72] KHOSHABO, DAVID, US
[72] ALESSI, MICHAEL L., US
[72] VIEIRA, REBECCA CRISITNE, US
[72] TAGGI, ANDREW EDMUND, US
[71] BASF SE, DE
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[54] **COOL-SENSATION IMPARTER COMPOSITION CONTAINING 2,2,6-TRIMETHYLCYCLOHEXANECARBOXYLIC ACID DERIVATIVE**
[54] **COMPOSITION CONFERANT UNE SENSATION DE FRAICHEUR CONTENANT UN DERIVE D'ACIDE 2,2,6-TRIMETHYLCYCLOHEXANECARBOXYLIQUE**
[72] MATSUMOTO, TAKAJI, JP
[72] ITOH, HISANORI, JP
[72] SATO, TOMOHARU, JP
[72] OTSUKA, MASASHI, JP
[72] HARADA, MAKOTO, JP
[71] TAKASAGO INTERNATIONAL CORPORATION, JP
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[54] **OLEACEINE A UTILISER DANS LA PREVENTION DE L'ATHEROSCLEROSE**
[72] FILIPEK, AGNIESZKA, PL
[72] NARUSZEWICZ, MAREK, PL
[71] WARSZAWSKI UNIWERSYTET MEDYCZNY, PL
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[54] **ANTIBODIES, ACTIVATABLE ANTIBODIES, BISPECIFIC ANTIBODIES, AND BISPECIFIC ACTIVATABLE ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS, ANTICORPS ACTIVABLES, ANTICORPS BISPECIFIQUES, ET ANTICORPS ACTIVABLES BISPECIFIQUES ET LEURS PROCEDES D'UTILISATION**
[72] BOUSTANY, LEILA MARIE, US
[72] LA PORTE, SHERRY L., US
[72] IRVING, BRYAN A., US
[72] FLANDEZ, JEANNE GRACE, US
[71] CYTOMX THERAPEUTICS, INC., US
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[54] **METHOD OF DECHROMIZING MOLTEN IRON AND METHOD OF MANUFACTURING PHOSPHATE FERTILIZER RAW MATERIAL**
[54] **PROCEDE DE DECHROMAGE DE METAL CHAUD ET PROCEDE DE PRODUCTION DE MATIERE PREMIERE D'ENGRAIS A BASE DE PHOSPHATE**
[72] SAKAMOTO, MOTOHIRO, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2020-04-09
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[25] EN
[54] **NOVEL AMPHIPHILIC COMPOUND HAVING DENDRONIC HYDROPHOBIC GROUP AND APPLICATION THEREOF**
[54] **NOUVEAU COMPOSE AMPHIPHILE PRESENTANT UN GROUPE HYDROPHOBE DENDRONIQUE ET SON APPLICATION**
[72] CHAE, PIL SEOK, KR
[72] SADAF, AIMAN, KR
[71] INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY ERICA CAMPUS, KR
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[25] EN
[54] **METHOD AND SYSTEM FOR EVALUATING TUBULAR MAKEUP**
[54] **PROCEDE ET SYSTEME D'EVALUATION DE SERRAGE DE TUBULAIRES**
[72] RUEHMANN, RAINER, DE
[72] GEISSLER, DAVID, DE
[72] SACHTLEBEN, BENJAMIN, DE
[72] HELMS, MARTIN, DE
[72] THIEMANN, BJOERN, DE
[72] WIEDECKE, MICHAEL, DE
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[54] **NOVEL VITAMIN E-BASED AMPHIPATHIC COMPOUND, AND USE THEREOF**
[54] **NOUVEAU COMPOSE AMPHIPATHIQUE A BASE DE VITAMINE E ET SON UTILISATION**
[72] CHAE, PIL SEOK, KR
[72] MUHAMMAD, EHSAN, KR
[71] INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY ERICA CAMPUS, KR
[85] 2020-04-09
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[25] EN
[54] **NEEDLE SHIELD PULLER FOR DRUG DELIVERY SYSTEM**
[54] **DISPOSITIF DE RETRAIT DE PROTECTEUR D'AIGUILLE POUR UN SYSTEME D'ADMINISTRATION DE MEDICAMENT**
[72] LAFEVER, MARK, US
[72] SNOW, ANDREW THOMAS, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-04-09
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[54] **ENRICHED LOGISTICS SYSTEM FOR UNMANNED VEHICLE DELIVERY OF PARCELS**
[54] **SYSTEME LOGISTIQUE ENRICHI POUR LIVRAISON DE COLIS PAR VEHICULE SANS PILOTE**
[72] FERGUSON, JEROME, US
[72] COOPER, JEFFREY, US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
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[54] **STORAGE AND RETRIEVAL SYSTEM**
[54] **SYSTEME DE STOCKAGE ET DE RECUPERATION**
[72] MACDONALD, TED D., US
[72] BUZAN, FORREST, US
[72] KEATING, JOHN F., US
[72] CONRAD, JUERGEN D., US
[72] ATAEI-ESFAHANI, ARMIN, US
[71] SYMBOTIC LLC, US
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[54] **EOLIENNE A CONDUIT ET PLATE-FORME DE SUPPORT**
[72] WHITFIELD, GLENN ANDREW HUNT, GB
[71] SEAMACH LTD, GB
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[54] **MODULAR DRIVE TRAIN FOR RAILCAR MOVER**
[54] **TRAIN D'ENTRAINEMENT MODULAIRE POUR DISPOSITIF DE DEPLACEMENT D'AUTORAIL**
[72] LOONEY, JEFFREY, US
[72] EVANS, ROBERT, US
[71] TRACKMOBILE LLC, US
[85] 2020-04-09
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[54] **MONOLITHES NON CUITS**
[72] HERTEL, TOBIAS, BE
[72] PONTIKES, YIANNIS, BE
[71] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
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[25] EN
[54] **NUTRIENT RECYCLING DEVICE**
[54] **DISPOSITIF DE RECYCLAGE DE NUTRIMENTS**
[72] O'GRADY, GREGORY BRIAN, NZ
[72] DAVIDSON, JOHN BILKEY, NZ
[72] DAVIDSON, ROBERT BRUCE, NZ
[72] BISSETT, IAN PETER, NZ
[72] GREENSLADE, MACKENZIE LIAM, NZ
[71] THE INSIDES COMPANY LIMITED, NZ
[85] 2020-04-08
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[30] NZ (737381) 2017-11-15

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[51] **Int.Cl. G06F 8/60 (2018.01) G06F 8/70 (2018.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR AN INTEGRATED PLATFORM FOR CONTINUOUS DEPLOYMENT OF SOFTWARE APPLICATION DELIVERY MODELS**
[54] **PROCEDES, SYSTEMES ET PRODUITS DE PROGRAMMES INFORMATIQUES POUR PLATE-FORME INTEGREE POUR DEPLOIEMENT CONTINU DE MODELES DE DISTRIBUTION D'APPLICATIONS LOGICIELLES**
[72] HAWRYLO, KATHRYN, US
[72] GOROSTIZA, MICHELE, US
[72] DESAI, CHETAN, US
[71] INTUIT INC., US
[85] 2020-04-09
[86] 2018-09-25 (PCT/US2018/052697)
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[54] **CATHETER ASSEMBLY**
[54] **ENSEMBLE CATHETER**
[72] VALDEZ, MICHAEL G., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2020-04-09
[86] 2018-09-28 (PCT/US2018/053532)
[87] (WO2019/079019)
[30] US (62/573,883) 2017-10-18

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[51] **Int.Cl. E21B 43/24 (2006.01) E21B 36/00 (2006.01) E21B 43/12 (2006.01) E21B 43/14 (2006.01)**
[25] EN
[54] **CLOSED LOOP ENHANCED OIL RECOVERY**
[54] **RECUPERATION DE PETROLE AMELIOREE EN BOUCLE FERMEE**
[72] LAKE, LARRY, US
[72] OGUNYOMI, BABAFEMI, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2020-04-09
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[25] EN
[54] **ASSISTIVE TECHNOLOGY FOR OPERATING NURSING HOMES AND OTHER HEALTH CARE FACILITIES**
[54] **TECHNOLOGIE D'ASSISTANCE POUR FAIRE FONCTIONNER DES MAISONS DE SOINS ET D'AUTRES INSTALLATIONS DE SOINS DE SANTE**
[72] BRASCH, JOHN, US
[72] SMITH, GORDON, US
[71] J. BRASCH CO., LLC, US
[85] 2020-04-09
[86] 2018-10-12 (PCT/US2018/055685)
[87] (WO2019/075381)
[30] US (62/572,373) 2017-10-13
[30] US (62/572,379) 2017-10-13
[30] US (62/580,928) 2017-11-02
[30] US (62/643,695) 2018-03-15
[30] US (62/691,960) 2018-06-29

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[51] **Int.Cl. B65B 3/04 (2006.01) B65B 3/10 (2006.01) B65B 3/17 (2006.01) B65B 39/00 (2006.01) B65D 47/20 (2006.01) B65D 75/58 (2006.01)**
[25] EN
[54] **METHOD FOR FILLING A THIN-BODY FLEXIBLE BAG PROVIDED WITH A SPOUT**
[54] **PROCEDE DE REMPLISSAGE D'UN SACHET SOUPLE A CORPS MINCE MUNI D'UN BEC VERSEUR**
[72] TAMARINDO, STEFANO, IT
[71] GUALA PACK S.P.A., IT
[85] 2020-04-08
[86] 2018-09-28 (PCT/IB2018/057548)
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[30] IT (102017000120600) 2017-10-24

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[51] **Int.Cl. C12N 15/113 (2010.01)**
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[54] **METHODS AND COMPOSITIONS FOR INHIBITING EXPRESSION OF LDHA**
[54] **METHODES ET COMPOSITIONS POUR INHIBER L'EXPRESSION DE LA LDHA**
[72] BROWN, BOB D., US
[72] DUDEK, HENRYK T., US
[72] SAXENA, UTSAV, US
[72] PURSELL, NATALIE, US
[72] LAI, CHENG, US
[72] WANG, WEIMIN, US
[72] STORR, RACHEL, US
[72] NAZEF, NAIM, US
[72] KIM, BOYOUNG, US
[71] DICERNA PHARMACEUTICALS, INC., US
[85] 2020-04-09
[86] 2018-10-12 (PCT/US2018/055735)
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[30] US (62/572,398) 2017-10-13
[30] US (62/572,403) 2017-10-13
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[51] **Int.Cl. G01N 27/404 (2006.01) G01N 27/416 (2006.01)**
[25] EN
[54] **STABILIZATION OF SENSOR SIGNAL IN ELECTROCHEMICAL GAS SENSORS**
[54] **STABILISATION DE SIGNAL DE CAPTEUR DANS DES CAPTEURS DE GAZ ELECTROCHIMIQUE**
[72] ROSS, SEBASTIAN, DE
[72] TOLLE, KATHRIN, DE
[72] DAVIS, BRIAN KEITH, US
[71] MSA EUROPE GMBH, CH
[85] 2020-04-08
[86] 2018-04-27 (PCT/US2018/029892)
[87] (WO2019/147296)
[30] US (15/879,138) 2018-01-24

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[51] **Int.Cl. G06F 8/60 (2018.01) G06F 8/70 (2018.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR AUTOMATING RELEASES AND DEPLOYMENT OF A SOFTWARE APPLICATION ALONG THE PIPELINE IN CONTINUOUS RELEASE AND DEPLOYMENT OF SOFTWARE APPLICATION DELIVERY MODELS**
[54] **PROCEDES, SYSTEMES ET PRODUITS-PROGRAMMES D'ORDINATEUR POUR AUTOMATISER LES VERSIONS ET LE DEPLOIEMENT D'UNE APPLICATION LOGICIELLE LE LONG DU PIPELINE DE VERSION ET DEPLOIEMENT CONTINUS DE MODELES DE DISTRIBUTION D'APPLICATION LOGICIELLE**
[72] HAWRYLO, KATHRYN, US
[72] GOROSTIZA, MICHELE, US
[72] DESAI, CHETAN, US
[71] INTUIT INC., US
[85] 2020-04-09
[86] 2018-09-25 (PCT/US2018/052699)
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[51] **Int.Cl. H04L 29/06 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **METHOD TO TRACK SSL SESSION STATES FOR SSL OPTIMIZATION OF SAAS BASED APPLICATIONS**
[54] **PROCEDE PERMETTANT DE POUR SUIVRE DES ETATS DE SESSION SSL POUR UNE OPTIMISATION SSL D'APPLICATIONS BASEES SUR SAAS**
[72] BHAT, AKSHATA, US
[72] DHANABALAN, PRAVEEN RAJA, US
[71] CITRIX SYSTEMS, INC., US
[85] 2020-04-09
[86] 2018-10-09 (PCT/US2018/055000)
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[51] **Int.Cl. C09K 5/04 (2006.01) C10M 171/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS CONTAINING DIFLUOROMETHANE, TETRAFLUOROPROPENE, AND CARBON DIOXIDE AND USES THEREOF**
[54] **COMPOSITIONS CONTENANT DU DIFLUOROMETHANE, DU TETRAFLUOROPROPENE, ET DU DIOXYDE DE CARBONE ET UTILISATIONS ASSOCIEES**
[72] HUGHES, JOSHUA, US
[72] MINOR, BARBARA HAVILAND, US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2020-04-09
[86] 2018-10-03 (PCT/US2018/054085)
[87] (WO2019/074734)
[30] US (62/571,460) 2017-10-12
[30] US (62/625,373) 2018-02-02

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[51] **Int.Cl. G06N 99/00 (2019.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCT FOR IMPLEMENTING SOFTWARE APPLICATIONS WITH DYNAMIC CONDITIONS AND DYNAMIC ACTIONS**
[54] **PROCEDES, SYSTEMES ET PRODUIT-PROGRAMME INFORMATIQUE DESTINES A L'IMPLEMENTATION D'APPLICATIONS LOGICIELLES AYANT DES CONDITIONS ET DES ACTIONS DYNAMIQUES**
[72] SIVERTSON, MATTHEW L., US
[71] INTUIT INC., US
[85] 2020-04-09
[86] 2018-09-25 (PCT/US2018/052700)
[87] (WO2019/083669)
[30] US (15/796,301) 2017-10-27

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[51] **Int.Cl. A61K 31/454 (2006.01) A61K 31/498 (2006.01) A61K 31/7056 (2006.01) A61K 31/7072 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING HCV**
[54] **METHODES POUR LE TRAITEMENT DU VHC**
[72] AWNI, WALID M., US
[72] BERNSTEIN, BARRY M., US
[72] CAMPBELL, ANDREW L., US
[72] DUTTA, SANDEEP, US
[72] LIN, CHIH-WEI, US
[72] LIU, WEI, US
[72] PILOT-MATIAS, TAMI, US
[72] MENON, RAJEEV M., US
[72] MENSING, SVEN, DE
[72] PODSADECKI, THOMAS J., US
[72] RODRIGUES JUNIOR, LINO, US
[72] SAMANTI, SUVAJIT, US
[72] TRINH, ROGER, US
[72] WANG, TIANLI, US
[72] YAO, BETTY B., US
[71] ABBVIE INC., US
[85] 2020-04-09
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[51] **Int.Cl. H01M 2/16 (2006.01) H01M 10/0562 (2010.01) H01M 2/14 (2006.01) H01M 2/34 (2006.01)**
[25] EN
[54] **SEPARATOR FOR ELECTROCHEMICAL CELLS AND METHOD OF MAKING THE SAME**
[54] **SEPARATEUR POUR CELLULES ELECTROCHIMIQUES E SON PROCEDE DE FABRICATION**
[72] CARLSON, STEVEN A., US
[72] AVISON, DAVID W., US
[72] SLOAN, BENJAMIN, US
[71] OPTODOT CORPORATION, US
[85] 2020-04-09
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[54] **SOLUTIONS D'ANTAGONISTE D'OPIOIDE STABLES A BASSE TEMPERATURE**
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[72] KEEGAN, FINTAN, IE
[72] BELL, ROBERT GERARD, US
[71] ADAPT PHARMA OPERATIONS LIMITED, IE
[71] ADAPT PHARMA LIMITED, IE
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[54] **PYRROLOTRIAZINE COMPOUNDS AND METHODS OF INHIBITING TAM KINASES**
[54] **COMPOSES DE PYRROLOTRIAZINE ET PROCEDES D'INHIBITION DE KINASES TAM**
[72] MOEBIUS, DAVID, US
[72] MARINEAU, JASON J., US
[72] ZHANG, YI, US
[72] AUSTGEN, KATHRYN, US
[72] CHUAQUI, CLAUDIO EDMUNDO, US
[72] MALOJCIC, GORAN, US
[72] SINKO, WILLIAM, US
[72] GUAN, HUIPING AMY, US
[72] SAVOIE, TRACEY LODIE, US
[72] CIBLAT, STEPHANE, CA
[72] JAMES, CLINT, CA
[72] XOLIN, AMANDINE, CA
[72] BERNARD, SYLVAIN, CA
[72] DOSHI, MALAY, CA
[71] SYROS PHARMACEUTICALS, INC., US
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[54] **RESILIENT GAP REDUCING SUPPORT STRUCTURES AND METHODS**
[54] **STRUCTURES DE SUPPORT DE REDUCTION D'ESPACEMENT ELASTIQUE ET PROCEDES**
[72] BRADLEY, CALVIN RHETT, US
[72] BAXTER, PARKER, US
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
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[54] **DISPENSER FOR DISPENSING LIQUID OR PASTY MATERIALS**
[54] **DISTRIBUTEUR DE MATIERES LIQUIDES OU PATEUSES**
[72] GOTTKE, SABINE, DE
[72] PRESCHE, MARTIN, DE
[71] RPC BRAMLAGE GMBH, DE
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[54] **HETEROCYCLIC COMPOUNDS AND USES THEREOF**
[54] **COMPOSES HETEROCYCLIQUES ET LEURS UTILISATIONS**
[72] CHAKRAVARTY, SARVAJIT, US
[72] PHAM, SON MINH, US
[72] KANKANALA, JAYAKANTH, US
[72] AGARWAL, ANIL KUMAR, IN
[72] PUJALA, BRAHMAM, IN
[72] SONI, SANJEEV, IN
[72] ARYA, SATISH K., IN
[72] PALVE, DEEPAK, IN
[72] KUMAR, VARUN, IN
[71] NUVATION BO INC., US
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[54] **MICROORGANISM LOADED AGGREGATE AND MANUFACTURING METHODS**
[54] **AGREGAT CHARGE DE MICRO-ORGANISMES ET PROCEDES DE FABRICATION ASSOCIES**
[72] SMITH, KENT J., US
[72] ARNETTE, CAMERON, US
[72] DOSIER, GINGER K., US
[72] DOSIER, JOHN MICHAEL, US
[71] BIOMASON, INC., US
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[54] **METHOD AND APPARATUS FOR IMAGING AN ORGAN**
[54] **PROCEDE ET APPAREIL D'IMAGERIE D'ORGANE**
[72] IRVING, BENJAMIN JOHN, GB
[72] HUTTON, CHLOE, GB
[72] PROFESSOR SIR BRADY, JOHN MICHAEL, GB
[71] PERSPECTUM DIAGNOSTICS LTD, GB
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[54] **COMPOSITIONS CONTAINING DIFLUOROMETHANE, TETRAFLUOROPROPENE, AND CARBON DIOXIDE AND USES THEREOF**
[54] **COMPOSITIONS CONTENANT DU DIFLUOROMETHANE, DU TETRAFLUOROPROPENE, ET DU DIOXYDE DE CARBONE ET UTILISATIONS ASSOCIEES**
[72] HUGHES, JOSHUA, US
[72] MINOR, BARBARA HAVILAND, US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2020-04-09
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[54] **METHODS FOR CHROMATOGRAPHY RESIN SLURRY DETERMINATION**
[54] **PROCEDES DE DETERMINATION DE BOUILLIE DE RESINE DE CHROMATOGRAPHIE**
[72] MAO, NATHAN, US
[72] SHIERLY, ERIC, US
[72] GALLEA, JOSEPH, US
[72] FENG, RAYMOND, US
[72] DISSANAYAKE, TIKIRI, US
[72] SCHILLING, BERNHARD, US
[72] CARVER, SCOTT, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[54] **SYSTEMES D'ETIQUETTES EN PLUSIEURS PARTIES**
[72] VALENTI, F., PAUL, US
[72] OPEL, CARL, US
[72] HEDGER, DANIEL, US
[71] CHICAGO TAG & LABEL, INC, US
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[54] **BONE FIXATION SYSTEM INCLUDING AN IMPLANT HAVING A PLATE PORTION AND A MESH PORTION**
[54] **SYSTEME DE FIXATION OSSEUSE COMPRENANT UN IMPLANT AYANT UNE PARTIE PLAQUE ET UNE PARTIE MAILLE**
[72] KOBAYASHI, KENNETH, US
[72] HALL, HARRY THOMAS, IV, US
[72] PIERSON, GLEN, US
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2020-04-09
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[54] **METHOD OF DIGITAL IMAGES COLOR SEPARATION INTO TWO COLORED AND BLACK INKS FOR PRINTING WITH FOUR AND MORE INKS**
[54] **PROCEDE DE SEPARATION DE COULEURS D'UNE IMAGE NUMERIQUE EN DEUX TEINTES DE COULEUR ET UNE TEINTE NOIRE EN VUE DE L'IMPRESSION EN QUATRE TEINTES ET PLUS**
[72] SHOVHENYUK, MYKHAJLO VASYLOVYCH, UA
[72] SEMENIV, MARIIA RUDOLFIVNA, UA
[72] KOVALSKYI, BOHDAN MYHAILOVYCH, UA
[72] HLUSHCHENKO, ANATOLII VOLODYMYROVYCH, US
[72] NAZARENKO, VASYL GENNADIIOVYCH, UA
[71] PHYSICAL SCIENCE RESEARCH ASSOCIATES, INC., US
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[54] **SYSTEMES ET PROCEDES DE SPECTROSCOPIE RAMAN IN SITU PERMETTANT DE COMMANDER DES VARIABLES DE TRAITEMENT DANS DES CULTURES DE CELLULES**
[72] CZETERKO, MARK, US
[72] DEBIASE, ANTHONY, US
[72] PIERCE, WILLIAM, US
[72] CONWAY, MATTHEW, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[51] **Int.Cl. E21B 7/28 (2006.01)**
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[54] **WELLBORE REAMING SYSTEMS AND DEVICES**
[54] **SYSTEMES ET DISPOSITIFS D'ALESAGE DE TROU DE SONDE**
[72] ASCHENBRENNER, JOSEPH, US
[72] SMITH, JOSHUA J., US
[72] MEIER, GILBERT TROY, US
[71] EXTREME TECHNOLOGIES, LLC, US
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[54] **MULTILAYER NANOPOROUS SEPARATOR**
[54] **SEPARATEUR NANOPOREUX MULTICOUCHE**
[72] AVISON, DAVID W., US
[72] CARLSON, STEVEN A., US
[72] SLOAN, BENJAMIN, US
[71] OPTODOT CORPORATION, US
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[86] 2018-10-15 (PCT/US2018/055862)
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[51] **Int.Cl. A61F 13/28 (2006.01) A61F 13/26 (2006.01)**
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[54] **APPLICATEUR DE TAMPON AUTO-LUBRIFIANT**
[72] LUND, LACEY JANELL, US
[71] LUND, LACEY JANELL, US
[85] 2020-04-09
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[51] **Int.Cl. A61K 31/7105 (2006.01) C12N 15/113 (2010.01) A61K 47/54 (2017.01) A61K 47/61 (2017.01) A61K 31/7125 (2006.01) A61K 31/713 (2006.01) A61P 31/20 (2006.01) C12N 15/36 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING HEPATITIS B INFECTION**
[54] **METHODES DE TRAITEMENT DES INFECTIONS DE TYPE HEPATITE B**
[72] KOSER, MARTIN, US
[72] ABRAMS, MARC, US
[71] DICERNA PHARMACEUTICALS, INC., US
[85] 2020-04-09
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[51] **Int.Cl. B60T 8/32 (2006.01)**
[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
[71] HENDRICKSON USA, L.L.C., US
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[54] **COMPOSITIONS AND METHODS FOR TREATING CANCER WITH ANTI-CD22 IMMUNOTHERAPY**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DU CANCER AVEC UNE IMMUNOTHERAPIE ANTI-CD22**
[72] ORENTAS, RIMAS J., US
[72] SCHNEIDER, DINA, US
[72] DROPULIC, BORO, US
[72] DIMITROV, DIMITER S., US
[72] ZHU, ZHONGYU, US
[71] LENTIGEN TECHNOLOGY, INC., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
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[25] EN
[54] **ANTI-CD45-BASED CONDITIONING METHODS AND USES THEREOF IN CONJUNCTION WITH GENE-EDITED CELL-BASED THERAPIES**
[54] **PROCEDES DE CONDITIONNEMENT A BASE D'ANTI-CD45 ET UTILISATIONS ASSOCIEES EN COMBINAISON AVEC DES THERAPIES A BASE DE CELLULES GENETIQUEMENT MODIFIEES**
[72] BERGER, MARK, US
[72] THOMAS, KEISHA, US
[72] SETH, SANDESH, US
[72] LUDWIG, DALE LINCOLN, US
[71] ACTINIUM PHARMACEUTICALS, INC., US
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[30] US (62/675,417) 2018-05-23
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[54] **DISPOSITIF ET SYSTEME DE TRANSFERT DE LIQUIDE ALIMENTE PAR GAZ SOUS PRESSION**
[72] BOURELLE, DYLAN L., US
[72] GEIGER, DANIEL, US
[72] HUDDLESTON, MATTHEW J., US
[72] LOWE, JAMES, US
[72] PALMER, JOETTA RENEE, US
[72] STEFANCHIK, DAVID, US
[71] ENABLE INJECTIONS, INC., US
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[51] **Int.Cl. A61M 1/00 (2006.01)**
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[54] **SMALL VOLUME TISSUE PROCESSING DEVICES**
[54] **DISPOSITIFS DE TRAITEMENT DE PETITS VOLUMES DE TISSU**
[72] BACHRACH, NATHANIEL, US
[72] WANG, KAI-ROY, US
[72] FRIEDMAN, EVAN J., US
[71] LIFECELL CORPORATION, US
[85] 2020-04-09
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[25] EN
[54] **ORAL HYPOGLYCEMIC AGENTS AS FOOD ADDITIVES AND SUPPLEMENTS**
[54] **AGENTS HYPOGLYCEMIQUES POUR PRISE ORALE EN TANT QU'ADDITIFS ET COMPLEMENTS ALIMENTAIRES**
[72] SHUKLA, VERSHALEE, US
[72] PRICHARD, PABLO A., US
[71] SHUKLA, VERSHALEE, US
[71] PRICHARD, PABLO A., US
[85] 2020-04-09
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[54] **LIMITEUR DE DEBIT DESTINE A UN ROBINET A TOURNANT CONIQUE**
[72] ANANDBABU, VIVEK, IN
[72] NAYAK, NAGENDRA UDYAVARA, IN
[72] URANKAR, SWAPNIL, IN
[71] S.P.M. FLOW CONTROL, INC., US
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[25] EN
[54] **POLYAMINE-APPENDED METAL-ORGANIC FRAMEWORKS FOR CARBON DIOXIDE SEPARATIONS**
[54] **STRUCTURES ORGANOMETALLIQUES AJOUTEES A UNE POLYAMINE POUR SEPARATIONS DE DIOXYDE DE CARBONE**
[72] WESTON, SIMON C., US
[72] FALKOWSKI, JOSEPH M., US
[72] LONG, JEFFREY R., US
[72] KIM, EUGENE J., US
[72] MARTELL, JEFFREY D., US
[72] MILNER, PHILLIP J., US
[72] SIEGELMAN, REBECCA L., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
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[54] **TRISPECIFIC PROTEINS AND METHODS OF USE**
[54] **PROTEINES TRISPECIFIQUES ET METHODES D'UTILISATION**
[72] WESCHE, HOLGER, US
[72] LEMON, BRYAN D., US
[72] AUSTIN, RICHARD J., US
[71] HARPOON THERAPEUTICS, INC., US
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[54] **COMPLEMENT COMPONENT C3 IRNA COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS D'ARNI DE COMPOSANT DU COMPLEMENT C3 ET LEURS PROCEDES D'UTILISATION**
[72] HINKLE, GREGORY, US
[72] BORODOVSKY, ANNA, US
[71] ALNYLAM PHARMACEUTICALS, INC., US
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[86] 2018-11-01 (PCT/US2018/058705)
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[54] **HANDHELD TOOL**
[54] **OUTIL A MAIN**
[72] BRINGHURST, CORY, US
[72] KUCERA, JEFFREY, US
[71] MTD PRODUCTS INC, US
[85] 2020-04-09
[86] 2018-10-12 (PCT/US2018/055619)
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[30] US (62/572,098) 2017-10-13
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[54] **RESONANT RECEIVER FOR ELECTROMAGNETIC TELEMETRY**
[54] **RECEPTEUR RESONANT POUR TELEMETRIE ELECTROMAGNETIQUE**
[72] TORBETT, PATRICK WILLIAM, US
[72] LYLE, DAVID, US
[72] SNYDER, JOHN KENNETH, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **VEGFR-ANTIBODY LIGHT CHAIN FUSION PROTEIN**
[54] **PROTEINE DE FUSION A CHAINE LEGERE D'ANTICORPS VEGFR**
[72] WU, XIAOYUN, US
[71] IMMUNOWAKE INC., US
[85] 2020-04-09
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[87] (WO2019/075270)
[30] US (62/571,773) 2017-10-12

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[25] EN
[54] **PORTABLE MOLECULAR DIAGNOSTIC DEVICE AND METHODS FOR THE DETECTION OF TARGET VIRUSES**
[54] **DISPOSITIF DE DIAGNOSTIC MOLECULAIRE PORTATIF ET PROCEDES DE DETECTION DE VIRUS CIBLES**
[72] SWENSON, DAVID, US
[72] ANDREYEV, BORIS, US
[72] BRIONES, VICTOR, US
[72] CENA, RYAN T., US
[72] DE LA ZERDA, ADAM, US
[72] KELLY, COLIN, US
[72] LONEY, GREGORY, US
[72] SCHOOLNIK, GARY, US
[71] VISBY MEDICAL, INC., US
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[30] US (62/583,789) 2017-11-09
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[51] **Int.Cl. G06K 9/00 (2006.01) G06T 3/40 (2006.01)**
[25] EN
[54] **FULLY CONVOLUTIONAL INTEREST POINT DETECTION AND DESCRIPTION VIA HOMOGRAPHIC ADAPTATION**
[54] **DETECTION ET DESCRIPTION DE POINT D'INTERET ENTIEREMENT CONVOLUTIF PAR ADAPTATION HOMOGRAPHIQUE**
[72] RABINOVICH, ANDREW, US
[72] DETONE, DANIEL, US
[72] MALISIEWICZ, TOMASZ JAN, US
[71] MAGIC LEAP, INC., US
[85] 2020-04-09
[86] 2018-11-14 (PCT/US2018/061048)
[87] (WO2019/099515)
[30] US (62/586,149) 2017-11-14
[30] US (62/608,248) 2017-12-20

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[25] EN
[54] **RUPTURE DISK**
[54] **DISQUE DE RUPTURE**
[72] BRAZIER, GEOFFREY, US
[71] BS&B INNOVATIONS LIMITED, IE
[71] BRAZIER, GEOFFREY, US
[85] 2020-04-09
[86] 2018-10-11 (PCT/US2018/055486)
[87] (WO2019/075255)
[30] US (62/571,402) 2017-10-12

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[51] **Int.Cl. A61K 31/4439 (2006.01) A61P 7/06 (2006.01) C07D 401/04 (2006.01)**
[25] EN
[54] **POLYMORPHS AND USES THEREOF**
[54] **POLYMORPHES ET LEURS UTILISATIONS**
[72] CHITRE, SAURABH, GB
[72] REECE, HAYLEY, GB
[72] WALD, STEPHEN, US
[71] RGENIX, INC., US
[85] 2020-04-09
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[30] US (62/589,161) 2017-11-21

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[51] **Int.Cl. G06F 16/178 (2019.01)**
[25] EN
[54] **CONTENT MANAGEMENT CLIENT SYNCHRONIZATION SERVICE**
[54] **SERVICE DE SYNCHRONISATION CLIENT DE GESTION DE CONTENU**
[72] GOLDBERG, ISAAC, US
[72] JAYAKAR, SUJAY, US
[72] LAI, JOHN, US
[72] YING, ROBERT, US
[72] KOORAPATI, NIPUNN, US
[72] GUPTA, GAUTAM, US
[72] SONG, GEOFFRY, US
[72] JUBB, ELMER CHARLES, US
[71] DROPBOX, INC., US
[85] 2020-04-09
[86] 2018-12-17 (PCT/US2018/065940)
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[30] US (62/611,473) 2017-12-28
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[30] US (15/868,489) 2018-01-11
[30] US (15/868,511) 2018-01-11
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[51] **Int.Cl. G01N 33/24 (2006.01) G01V 99/00 (2009.01) G06F 17/10 (2006.01)**
[25] EN
[54] **GEOLOGICAL SEDIMENT PROVENANCE ANALYSIS AND DISPLAY SYSTEM**
[54] **SYSTEME D'ANALYSE ET D'AFFICHAGE DE LA PROVENANCE DE SEDIMENTS GEOLOGIQUES**
[72] STANTON, DANIEL, GB
[72] SAUNDERS, BENJAMIN STEPHEN, GB
[72] NICOLL, GRAEME RICHARD, GB
[72] BAINES, GRAHAM, GB
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2020-04-09
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[30] US (62/591,918) 2017-11-29

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[51] **Int.Cl. G06N 99/00 (2019.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCT FOR IMPLEMENTING AN INTELLIGENT SYSTEM WITH DYNAMIC CONFIGURABILITY**
[54] **PROCEDES, SYSTEMES ET PRODUIT-PROGRAMME INFORMATIQUE DE MISE EN UVRE DE SYSTEME INTELLIGENT A CONFIGURABILITE DYNAMIQUE**
[72] SIVERTSON, MATTHEW L., US
[71] INTUIT INC., US
[85] 2020-04-09
[86] 2018-09-25 (PCT/US2018/052702)
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[30] US (15/796,374) 2017-10-27

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[51] **Int.Cl. G06K 9/00 (2006.01) G06Q 10/08 (2012.01) G06K 9/46 (2006.01) G06K 9/62 (2006.01) G06K 9/68 (2006.01)**
[25] EN
[54] **AUTOMATICALLY MONITORING RETAIL PRODUCTS BASED ON CAPTURED IMAGES**
[54] **SURVEILLANCE AUTOMATIQUE DE PRODUITS DE DETAIL SUR LA BASE D'IMAGES CAPTUREES**
[72] ADATO, YAIR, IL
[72] LISHNER, ITAI, IL
[72] COHEN, DANIEL SHIMON, US
[72] EISENSCHTAT, AVIV, IL
[72] POMERANZ, DOLEV, IL
[72] MHABARY, ZIV, IL
[72] YANUSHEVSKY, OSNAT, IL
[72] MICHAEL, YOTAM, IL
[72] ADAR, YONATAN, IL
[72] KUSHNIR, MARIA, IL
[72] YASHPE, DROR, IL
[72] DEVIR, YOHAI, IL
[72] YUDKIN, PAUL, IL
[72] BRONICKI, YOUVAL, US
[72] DAYAN, SHLOMI, IL
[72] PELED, GALIT, IL
[72] GOTTLIEB, DAVID M., US
[72] GRUBSHTEIN, ALON, IL
[72] HEMED, NIR, IL
[71] TRAX TECHNOLOGY SOLUTIONS PTE LTD., SG
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[87] (WO2019/140091)
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[30] US (62/681,718) 2018-06-07
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[51] **Int.Cl. C08K 3/04 (2006.01) C08K 3/34 (2006.01) C08K 7/06 (2006.01)**
[25] EN
[54] **REACTIVE CARBONATE FOR ELASTOMERIC ARTICLES**
[54] **CARBONATE REACTIF POUR ARTICLES ELASTOMERES**
[72] WICKS, DOUGLAS, US
[72] STOVALL, KALENA, US
[72] PARK, SANG JIN, KR
[72] SINGH, VIRENDRA, US
[71] IMERYS USA, INC., US
[85] 2020-04-10
[86] 2018-10-10 (PCT/US2018/055162)
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[30] US (62/571,035) 2017-10-11

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[51] **Int.Cl. G08B 17/10 (2006.01) G08B 17/117 (2006.01) G08B 21/02 (2006.01) G08B 25/01 (2006.01)**
[25] EN
[54] **FIRE DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION D'INCENDIE**
[72] WEDIG, KURT JOSEPH, US
[72] PARENT, DANIEL RALPH, US
[71] ONEEVENT TECHNOLOGIES, INC., US
[85] 2020-04-10
[86] 2018-10-10 (PCT/US2018/055281)
[87] (WO2019/075110)
[30] US (62/570,774) 2017-10-11

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[51] **Int.Cl. H04M 3/42 (2006.01) H04M 1/56 (2006.01) H04M 1/64 (2006.01) H04M 3/436 (2006.01)**
[25] EN
[54] **PERSONALIZED AUDIO/VIDEO INVITATIONS FOR PHONE CALLS**
[54] **INVITATIONS AUDIO/VIDEO PERSONNALISEES POUR APPELS TELEPHONIQUES**
[72] BORUKHOFF, STANISLAV, US
[71] MOBILINE, INC., US
[85] 2020-04-10
[86] 2018-10-16 (PCT/US2018/056039)
[87] (WO2019/079269)
[30] US (15/785,165) 2017-10-16

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[25] EN
[54] **METHODS FOR RECLAIMING OR RECYCLING ASPHALT AND ASPHALT AND ASPHALT COMPONENTS PRODUCED THEREBY**
[54] **PROCEDES DE RECUPERATION OU DE RECYCLAGE D'ASPHALTE ET ASPHALTE ET ELEMENTS D'ASPHALTE AINSI PRODUITS**
[72] KOTEFSKI, STOJAN, US
[72] FITZPATRICK, MICHAEL, PAUL, US
[72] KOTEVSKI, NIKOLA, US
[72] FITZPATRICK, MICHAEL, KENWOOD, US
[71] KOTEFSKI, STOJAN, US
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[86] 2017-11-20 (PCT/US2017/062510)
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[30] US (15/355,487) 2016-11-18

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[51] **Int.Cl. A61B 17/34 (2006.01) A61M 5/14 (2006.01) A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/158 (2006.01) A61M 25/14 (2006.01)**
[25] EN
[54] **DRUG DELIVERY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'ADMINISTRATION DE MEDICAMENTS**
[72] ANAND, PJ, US
[72] BROPHY, MORGAN, US
[72] SINGH, DEEP ARJUN, US
[72] EBERL, GREG, US
[72] ARZUMAND, AYESHA, US
[72] MOURA, STELA, US
[72] EAST, ANDREW, US
[72] FREUND, JONATHAN, US
[71] ALCYONE LIFESCIENCES, INC., US
[85] 2020-04-11
[86] 2018-11-15 (PCT/US2018/061380)
[87] (WO2019/099740)
[30] US (62/586,498) 2017-11-15

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[51] **Int.Cl. G06T 7/33 (2017.01) G06T 17/05 (2011.01) E21C 41/26 (2006.01) G01S 15/89 (2006.01) G01V 8/00 (2006.01) G06T 5/50 (2006.01)**
[25] EN
[54] **SLOPE STABILITY VISUALISATION**
[54] **VISUALISATION DE STABILITE DE PENTE**
[72] CHEN, BENNY, AU
[72] CAMPBELL, LACHLAN, AU
[71] GROUNDPROBE PTY LTD, AU
[85] 2020-04-13
[86] 2018-11-27 (PCT/AU2018/000233)
[87] (WO2019/104368)
[30] AU (2017904794) 2017-11-28

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[51] **Int.Cl. G06Q 30/08 (2012.01)**
[25] EN
[54] **AUCTION METHOD**
[54] **PROCEDE DE VENTE AUX ENCHERES**
[72] CHANDLER, KELLY JOHN, CA
[72] JACKSON, JENNIFER LEE, CA
[71] PLAY MY AUCTIONS INC., CA
[85] 2020-04-13
[86] 2018-10-19 (PCT/CA2018/000199)
[87] (WO2019/075550)
[30] US (62/574,916) 2017-10-20
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[51] **Int.Cl. B64F 1/12 (2006.01) B64C 25/00 (2006.01) B64C 39/02 (2006.01) B64F 3/00 (2006.01) G01N 21/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM OF AN SURFACE ATTACHMENT OF MODULAR UNMANNED AERIAL VEHICLE FOR INSPECTION**
[54] **PROCEDE ET SYSTEME DE FIXATION DE SURFACE D'UN VEHICULE AERIEN SANS PILOTE MODULAIRE POUR INSPECTION**
[72] TAVAKOLIKHAKALEDI, MOHAMMADREZA, CA
[72] KAMALINEJAD, POUYA, CA
[71] AVESTEC TECHNOLOGIES INC., CA
[85] 2020-04-13
[86] 2018-07-09 (PCT/CA2018/050835)
[87] (WO2019/109164)
[30] US (62/578,433) 2017-10-28

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[51] **Int.Cl. F04D 13/02 (2006.01) F04D 1/00 (2006.01) F04D 3/02 (2006.01) F04D 29/041 (2006.01) F04D 29/18 (2006.01)**
[25] EN
[54] **PUMP ASSEMBLY, IN PARTICULAR FOR SUPPLYING A MECHANICAL SEAL ASSEMBLY**
[54] **ENSEMBLE DE POMPAGE, EN PARTICULIER SERVANT A ALIMENTER UN ENSEMBLE D'ETANCHEITE A BAGUES DE GLISSEMENT**
[72] BAREIS, MARKUS, DE
[72] EISFELD, CHRISTIAN, DE
[72] ERTL, MARTIN, DE
[72] KARNER, CHRISTOPH, DE
[72] SCHERER, HANS-GEORG, DE
[72] SCHULTEN, BERTHOLD, DE
[71] EAGLEBURGMANN GERMANY GMBH & CO. KG, DE
[85] 2020-04-13
[86] 2018-11-12 (PCT/EP2018/080911)
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[30] DE (10 2017 220 437.0) 2017-11-16

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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/904 (2019.01) G06F 3/14 (2006.01)**
[25] EN
[54] **USING AN OBJECT MODEL OF HETEROGENEOUS DATA TO FACILITATE BUILDING DATA VISUALIZATIONS**
[54] **UTILISATION D'UN MODELE D'OBJET DE DONNEES HETEROGENES PERMETTANT DE FACILITER DES VISUALISATIONS DE DONNEES DE CONSTRUCTION**
[72] TALBOT, JUSTIN, US
[72] HAU, ROGER, US
[72] CORY, DANIEL, US
[72] OH, JIYOUNG, US
[72] ROBERTS, TERESA, US
[71] TABLEAU SOFTWARE, INC., US
[85] 2020-04-09
[86] 2018-08-01 (PCT/US2018/044878)
[87] (WO2019/074570)
[30] US (62/569,976) 2017-10-09
[30] US (15/911,026) 2018-03-02

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[13] A1
[51] **Int.Cl. A61L 2/28 (2006.01) C12M 1/34 (2006.01)**
[25] EN
[54] **BIOLOGICAL INDICATOR**
[54] **INDICATEUR BIOLOGIQUE**
[72] CREGGER, TRICIA, US
[72] YIRAVA, WILLIAM, US
[72] FRANCISKOVICH, PHILLIP P., US
[72] FIX, KATHLEEN A., US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2020-04-09
[86] 2018-09-20 (PCT/US2018/051849)
[87] (WO2019/074639)
[30] US (15/729,691) 2017-10-11

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[13] A1
[51] **Int.Cl. A62C 2/04 (2006.01) A47J 37/12 (2006.01) A62C 3/00 (2006.01) A62C 37/40 (2006.01) A62C 37/42 (2006.01) A62C 37/44 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DELIVERING A COOLING AGENT TO A GAS-FUELED COOKING APPLIANCE TO AID IN FIRE SUPPRESSION**
[54] **SYSTEME ET PROCEDE POUR L'APPORT D'UN AGENT DE REFROIDISSEMENT A UN APPAREIL DE CUISSON A COMBUSTIBLE GAZEUX POUR AIDER A LA SUPPRESSION D'INCENDIE**
[72] KJELLMAN, THOMAS, US
[71] CARRIER CORPORATION, US
[85] 2020-04-09
[86] 2018-10-11 (PCT/US2018/055337)
[87] (WO2019/075158)
[30] US (62/572,068) 2017-10-13

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[13] A1
[51] **Int.Cl. A62C 3/00 (2006.01) A62C 2/04 (2006.01) A62C 37/40 (2006.01) A62C 37/42 (2006.01) A62C 37/44 (2006.01) F24C 3/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DELIVERING FIRE SUPPRESSION AGENT TO AN OBSTRUCTED GAS APPLIANCE**
[54] **SYSTEME ET PROCEDE PERMETTANT DE DISTRIBUER UN AGENT D'EXTINCTION D'INCENDIE A UN APPAREIL OBSTRUE FONCTIONNANT AU GAZ**
[72] KJELLMAN, THOMAS, US
[71] CARRIER CORPORATION, US
[85] 2020-04-09
[86] 2018-10-11 (PCT/US2018/055411)
[87] (WO2019/075199)
[30] US (62/572,164) 2017-10-13

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[13] A1
[51] **Int.Cl. C08F 2/06 (2006.01) C08F 6/00 (2006.01)**
[25] EN
[54] **A METHOD OF RECOVERING OLEFINS IN A SOLUTION POLYMERISATION PROCESS**
[54] **PROCEDE DE RECUPERATION D'OLEFINES DANS UN PROCEDE DE POLYMERISATION EN SOLUTION**
[72] AL-HAJ ALI, MOHAMMAD, FI
[72] ERIKSSON, ERIK, SE
[72] MATHIVANAN, GUHAN, AT
[72] RASANEN, JUKKA, FI
[72] SLEIJSTER, HENRY, NL
[72] VIJAY, SAMEER, AT
[72] ZITTING, SAMULI, FI
[71] BOREALIS AG, AT
[85] 2020-04-08
[86] 2018-11-22 (PCT/EP2018/082172)
[87] (WO2019/110315)
[30] EP (17205098.1) 2017-12-04

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[13] A1
[51] **Int.Cl. A46B 15/00 (2006.01) A46B 5/00 (2006.01) A61C 17/16 (2006.01) A61C 17/22 (2006.01)**
[25] EN
[54] **PERSONAL HYGIENE DEVICE**
[54] **DISPOSITIF D'HYGIENE PERSONNELLE**
[72] SCHAEFER, NORBERT, DE
[72] FRITSCH, THOMAS, DE
[72] KRAMP, ANDREAS, DE
[72] LARSCHEID, ANDREAS, DE
[72] KUNZ, MARC, DE
[72] SCHAFER, ROBERT, DE
[71] BRAUN GMBH, DE
[85] 2020-04-08
[86] 2018-10-31 (PCT/IB2018/058530)
[87] (WO2019/087090)
[30] EP (17199721.6) 2017-11-02

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[13] A1
[51] **Int.Cl. C09K 8/504 (2006.01) C09K 8/512 (2006.01)**
[25] EN
[54] **POLYMER GEL WITH NANOCOMPOSITE CROSSLINKER**
[54] **GEL POLYMERE COMPRENANT UN AGENT DE RETICULATION DE TYPE NANOCOMPOSITE**
[72] ALMOHSIN, AYMAN MOHAMMED, SA
[72] BATAWEEL, MOHAMMED A., SA
[72] AHMED, FAHEEM, SA
[72] ALSHARAEH, EDREESE, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-04-13
[86] 2018-10-12 (PCT/US2018/055590)
[87] (WO2019/075314)
[30] US (62/571,478) 2017-10-12

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[13] A1
[51] **Int.Cl. H02G 3/06 (2006.01) H02G 3/08 (2006.01) H02G 3/18 (2006.01) H02G 3/22 (2006.01) H02G 15/16 (2006.01) H05K 5/02 (2006.01)**
[25] EN
[54] **ELECTRICAL BOX CABLE CONNECTOR**
[54] **CONNECTEUR DE CABLE DE COFFRET ELECTRIQUE**
[72] KORCZ, KRZYSZTOF W., US
[72] JOHNSON, STEVEN JAMES, US
[71] HUBBELL INCORPORATED, US
[85] 2020-04-13
[86] 2018-10-15 (PCT/US2018/055805)
[87] (WO2019/075448)
[30] US (62/572,116) 2017-10-13

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[13] A1
[51] **Int.Cl. A61K 47/12 (2006.01) A61K 9/08 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 31/4985 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **FORMULATIONS COMPRISING 6-(2-HYDROXY-2-METHYLPROPOXY)-4-(6-(6-((6-METHOXYPYRIDIN-3-YL)METHYL)-3,6-DIAZAB ICYCLO[3.1.1]HEPTAN-3-YL)PYRIDIN-3-YL)PYRAZOLO[1,5-A]PYRIDINE-3-CARBONITRILE**
[54] **FORMULATIONS COMPRENANT DU 6-(2-HYDROXY-2-METHYLPROPOXY)-4-(6-(6-((6-METHOXYPYRIDIN-3-YL)METHYL)-3,6-DIAZABICYCLO[3.1.1]HEPTAN-3-YL)PYRIDIN-3-YL)PYRAZOLO[1,5-A]PYRIDINE-3-CARBONITRILE**
[72] REYNOLDS, MARK, US
[72] EARY, CHARLES TODD, US
[71] LOXO ONCOLOGY, INC., US
[85] 2020-04-09
[86] 2018-10-10 (PCT/US2018/055285)
[87] (WO2019/075114)
[30] US (62/570,601) 2017-10-10

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[13] A1
[51] **Int.Cl. E21B 47/024 (2006.01) E21B 47/092 (2012.01) E21B 7/04 (2006.01)**
[25] EN
[54] **ADAPTIVE QUALITY CONTROL FOR MONITORING WELLBORE DRILLING**
[54] **CONTROLE DE QUALITE ADAPTATIVE PERMETTANT DE SURVEILLER UN FORAGE DE PUITS DE FORAGE**
[72] WILLERTH, MARC ERNEST, US
[72] MAUS, STEFAN, US
[71] MAGNETIC VARIATION SERVICES, LLC, US
[85] 2020-04-09
[86] 2018-10-10 (PCT/US2018/055297)
[87] (WO2019/075124)
[30] US (62/570,865) 2017-10-11
[30] US (62/655,675) 2018-04-10

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[13] A1
[51] **Int.Cl. C12Q 1/22 (2006.01) A61L 2/28 (2006.01) C12M 1/12 (2006.01) C12M 1/34 (2006.01)**
[25] EN
[54] **BIOLOGICAL INDICATOR**
[54] **INDICATEUR BIOLOGIQUE**
[72] CREGGER, TRICIA, US
[72] YIRAVA, WILLIAM, US
[72] FRANCISKOVICH, PHILLIP P., US
[72] FIX, KATHLEEN A., US
[71] AMERICAN STERILIZER COMPANY, US
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[72] VELAMUR ASOKAN, BADRINARAYANAN, US
[72] OLOFSSON, BJORN J., US
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[72] CLAWSON, SCOTT W., US
[72] ZHANG, YIBING, US
[72] WALKER, KATIE M., US
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[54] **PROCEDES DE RECUPERATION OU DE RECYCLAGE D'ASPHALTE ET ASPHALTE ET COMPOSANTS D'ASPHALTE AINSI PRODUITS**
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[72] FITZPATRICK, MICHAEL, US
[72] FITZPATRICK, KEVIN, THOMAS, US
[72] KOTEVSKA, MICHELLE, US
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[72] KUMAR, SANTHOSH V., AU
[71] MURDOCH CHILDRENS RESEARCH INSTITUTE, AU
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[54] **EFFICACITE DE TRANSFECTION AMELIOREE DE CELLULES SOUCHES PLURIPOTENTES HUMAINES PAR L'INTERMEDIAIRE DES EFFETS D'UN ANALOGUE DE L'ACIDE RETINOIQUE (TTNPB), D'UN INHIBITEUR DE KINASE ASSOCIEE A RHO (Y-27632), ET D'UN AGONISTE DE PPARY (PIOGLITAZONE)**
[72] RANCOURT, DERRICK E., CA
[72] MENG, GUOLIANG, CA
[72] ROHANISARVESTANI, LEILI, CA
[72] YU, YAPING, CA
[71] UTI LIMITED PARTNERSHIP, CA
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[54] **FORMULATION CONTENANT UN COMPOSE 5A-ANDROSTANE A-DECARBONISE POUR AUGMENTER LE NOMBRE DES GLOBULES BLANCS, ET SON UTILISATION**
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[72] CHEN, ZHIHUA, CN
[72] WANG, WENYA, CN
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[72] ARVOLA, MAURI, FI
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[54] **CAPTEUR POUR DETECTER UN ANALYTE DANS UN FLUIDE BIOLOGIQUE ET SON PROCEDE DE FABRICATION**
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[72] KOELKER, KARL-HEINZ, DE
[72] RESCHKE, THILO, DE
[72] SIEBEL, DAVID KASPAR, DE
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[54] **UTILISATION D'UN ANTICORPS BISPECIFIQUE ANTI-CEA/ANTI-CD3 ET D'UN ANTAGONISTE DE LIAISON A L'AXE PD-1 DANS UN REGIME POSOLOGIQUE POUR TRAITER LE CANCER**
[72] BOUSEIDA, SAID, CH
[72] SANDOVAL MORALES, FEDERICO, CH
[72] SARO SUAREZ, JOSE MARIA, CH
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[54] **INHIBITEURS DE LA D-AMINO-ACIDE OXYDASE ET APPLICATIONS THERAPEUTIQUES ASSOCIEES**
[72] TSAI, GUOCHUAN EMIL, CN
[72] WANG, CHING-CHENG, CN
[72] HSIEH, YUAN-TING, CN
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[72] BLACK, ROBERT DAVID, GB
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[54] **ENCEINTE DE VEHICULE TRANSPORTABLE POUR INSPECTER DES VEHICULES**
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[54] **COLLAGENE ET HYDROGELS A BASE DE PEPTIDES DE TYPE COLLAGENE, IMPLANTS CORNEENS, COLLE DE REMPLISSAGE ET LEURS UTILISATIONS**
[72] GRIFFITH, MAY, CA
[72] SAMANTA, AYAN, SE
[72] JANGAMREDDY, JAGANMOHAN REDDY, IN
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[54] **COMPOSES DE BENZIMIDAZOLE UTILISES EN TANT QUE PRODUITS CHIMIQUES AGRICOLES**
[72] URCH, CHRISTOPHER JOHN (DECEASED), GB
[72] BUTLIN, ROGER JOHN, GB
[72] CHRISTOU, STEPHANIA, GB
[72] BOOTH, REBECCA KATHRYN, GB
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[54] **VARIANT D'ANTICORPS ET ISOFORME A ACTIVITE BIOLOGIQUE REDUITE**
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[72] KUWAYAMA, MAKI, JP
[72] SEIDA, CHIFUMI, JP
[72] WATANABE, YOSUKE, JP
[72] TANAKA, NOBUYUKI, JP
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[72] FUKUDA, MASAKAZU, JP
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[72] VERHOEVEN, ROMANUS EDUARD, NL
[72] VAN DER VELDEN, LEON, NL
[72] HEIJNE, JOOST, NL
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[54] **A CABLE LEAD-THROUGH ASSEMBLY, AN ELECTRICAL ASSEMBLY, AN ELECTRICAL CABINET AND ASSOCIATED METHOD**
[54] **ENSEMBLE TRAVERSANT CONDUCTEUR DE CABLES, ENSEMBLE ELECTRIQUE, ARMOIRE ELECTRIQUE ET PROCEDE ASSOCIE**
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[54] **IMPLANT-CINCHING DEVICES AND SYSTEMS**
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[72] SHEPS, TAL, IL
[72] KEIDAR, YARON, IL
[72] CONKLIN, BRIAN S., US
[72] ZIPORY, YUVAL, IM
[71] VALTECH CARDIO, LTD., IL
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[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE FEUILLE**
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[72] CASPER, JOSEPH R., IE
[72] NOLAN, CHRISTOPHER D., IE
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[54] **INHALATEUR ET CARTOUCHE ASSOCIEE**
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[72] ABRAMOV, OLEG JURIEVICH, GB
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[54] **STRUCTURES DE PANSEMENT POUR LE TRAITEMENT DE BLESSURES UTILISANT UNE PRESSION REDUITE**
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[72] KAZALA, RICHARD MARVIN, JR., US
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