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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

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

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

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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7. 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.

Copyright

Droits d'auteur

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of September 21, 2021 contains applications open to public inspection from September 5, 2021 to September 11, 2021.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 21 septembre 2021 contient les demandes disponibles au public pour consultation pour la période du 5 septembre 2021 au 11 septembre 2021.

Canadian Patents Issued

September 21, 2021

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[72] D'ANGELO, IGOR EDMONDO PAOLO, CA
[72] POON, DAVID KAI YUEN, CA
[73] ZYMEWORKS INC., CA
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[54] **TRAITEMENT A BASE D'AAV POUR DES TROUBLES LIES AU CHOLESTEROL**
[72] GAO, GUANGPING, US
[72] XIE, JUN, US
[72] ZAMORE, PHILLIP D., US
[73] UNIVERSITY OF MASSACHUSETTS, US
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[54] **METHODS OF USING A FLUID TREATMENT DEVICE**
[54] **METHODES D'UTILISATION D'UN DISPOSITIF DE TRAITEMENT DE FLUIDE**
[72] KANANI, DHARMESHKUMAR M., CA
[72] SIDHU, NAVNEET, CA
[72] KACHUIK, BRADLEY A., CA
[72] HONEYMAN, CHARLES H., CA
[73] MERCK MILLIPORE LTD., IE
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[54] **ANTICORPS ANTI-KIR DESTINES AU TRAITEMENT DE TROUBLES INFLAMMATOIRES**
[72] ROMAGNE, FRANCOIS, FR
[72] ANDRE, PASCALE, FR
[73] INNATE PHARMA, S.A., FR
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[54] **OBSERVATION ET NOTATION DE CONDUCTEURS EN TEMPS REEL POUR LA FORMATION DES CONDUCTEURS**
[72] FIELDS, BRIAN M., US
[72] HE, JIBO, US
[72] NEPOMUCENO, JOHN ADRIAN, US
[72] ROBERSON, STEVE, US
[72] PLUMMER, BRYAN ALLEN, US
[72] HOUDEK, KURTIS C., US
[72] JAIN, NEERAJ, US
[73] STATE FARM MUTUAL AUTOMOBILE INSURANCE COMPANY, US
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[54] **COLORED ROOFING MEMBRANE WITH IMPROVED SOLAR REFLECTANCE**
[54] **MEMBRANE DE TOITURE COLOREE A REFLECTANCE SOLAIRE AMELIOREE**
[72] XING, LINLIN, US
[72] TAYLOR, THOMAS JOHN, US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
[86] (2846138)
[87] (2846138)
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[54] **INSTALLATION EMBARQUEE POUR UN VEHICULE**
[72] POVOLNY, ROBERT, AT
[72] NAGY, OLIVER, AT
[73] KAPSCH TRAFFICCOM AG, AT
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[54] **SYSTEM AND METHOD FOR ACQUIRING OPTOACOUSTIC DATA AND PRODUCING PARAMETRIC MAPS THEREOF**
[54] **SYSTEME ET PROCEDE D'ACQUISITION DE DONNEES OPTOACOUSTIQUES ET PRODUCTION DE CARTES PARAMETRIQUES ASSOCIEES**
[72] CLINGMAN, BRYAN, US
[72] ZALEV, JASON, CA
[73] SENO MEDICAL INSTRUMENTS, INC., US
[85] 2014-04-09
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[54] **MANUFACTURING METHOD FOR A SHAPED ANTENNA REFLECTOR, SHAPED REFLECTOR OBTAINED BY THIS METHOD AND ANTENNA COMPRISING SUCH A REFLECTOR**
[54] **PROCEDE DE REALISATION D'UN REFLECTEUR D'ANTENNE A SURFACE FORMEE, REFLECTEUR A SURFACE FORMEE OBTENU PAR CE PROCEDE ET ANTENNE COMPORTANT UN TEL REFLECTEUR**
[72] SCHREIDER, LUDOVIC, FR
[72] LEPELTIER, PHILIPPE, FR
[72] FARO, ISABELLE, FR
[72] DEPEYRE, SERGE, FR
[72] TAISANT, JEAN-PHILIPPE, FR
[73] THALES, FR
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[54] **SKIN ANTISEPTIC APPLICATOR AND METHODS OF MAKING AND USING THE SAME**
[54] **APPLICATEUR D'ANTISEPTIQUE POUR LA PEAU ET PROCEDES POUR FABRIQUER ET UTILISER CELUI-CI**
[72] CHIANG, CASPER W., US
[72] MA, BENJAMIN, US
[73] MEDLINE INDUSTRIES, INC., US
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[87] (2853769)
[22] 2014-06-06
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[54] **NANOWIRE CATALYSTS AND METHODS FOR THEIR USE AND PREPARATION**
[54] **CATALYSEURS DE NANOCABLE ET PROCEDES POUR LEUR UTILISATION ET PREPARATION**
[72] ZURCHER, FABIO R., US
[72] SCHER, ERIK C., US
[72] CIZERON, JOEL M., US
[72] SCHAMMEL, WAYNE P., US
[72] TKACHENCKO, ALEX, US
[72] GAMORAS, JOEL, US
[72] KARSHTEDT, DMITRY, US
[72] NYCE, GREG, US
[72] RUMPLECKER, ANJA, US
[72] MCCORMICK, JAROD, US
[72] MERZLYAK, ANNA, US
[72] ALCID, MARIAN, US
[72] ROSENBERG, DANIEL, US
[72] RAS, ERIK-JAN, NL
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[54] **PHARMACEUTICAL COMPOSITIONS OF 7-(6-(2-HYDROXYPROPAN-2-YL)PYRIDIN-3-YL)-1-((TRANS)-4-METHOXYCYCLOHEXYL)-3,4-DIHYDROPYRAZINO [2,3-B]PYRAZIN-2(1H)-ONE, A SOLID FORM THEREOF AND METHODS OF THEIR USE**
[54] **COMPOSITIONS PHARMACEUTIQUES DE 7-(6-(2-HYDROXYPROPAN-2-Y1)PYRIDIN-3-YL)-1-((TRANS)-4-METHOXYCYCLOHEXYL)-3,4-DIHYDROPYRAZINO[2,3-B]PYRAZIN-2(1H)-ONE, FORME SOLIDE DE CELLES-CI ET LEURS PROCEDES D'UTILISATION**
[72] CONNOLLY, TERRENCE JOSEPH, US
[72] KLOPFER, KEVIN JOSEPH, US
[72] LEONG, WILLIAM WEI-HWA, US
[72] MENON, ANIL, US
[72] MIKLOS, AMANDA NICOLE, US
[72] KREILEIN, MATTHEW MICHAEL, US
[72] GAMBOA, JUAN ANTONIO, US
[72] XU, JEAN, US
[72] BOERSEN, NATHAN, US
[72] HUI, HO-WAH, US
[72] LEE, THOMAS, US
[72] LI, YING, US
[72] COHEN, BENJAMIN, US
[73] SIGNAL PHARMACEUTICALS, LLC, US
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[54] **AGENTS MIMETIQUES DE L'INSULINE EN TANT QUE TRAITEMENT D'APPOINT THERAPEUTIQUE POUR UNE REGENERATION OSSEUSE**
[72] LIN, SHELDON SUTON, US
[72] PAGLIA, DAVID NAISBY, US
[72] O'CONNOR, JAMES PATRICK, US
[72] BENEVENIA, JOSEPH, US
[72] WEY, AARON, US
[72] SUBRAMANIAN, SANGEETA, US
[72] CHIRICHELLA, PAUL, US
[72] KOERNER, JOHN D., US
[72] VIVES, MICHAEL J., US
[73] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US
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[54] **APPARATUS AND METHOD FOR IN-FLIGHT DETECTION OF AIRBORNE VOLCANIC ASH**
[54] **APPAREIL ET PROCEDE POUR DETECTION EN VOL DE CENDRES VOLCANIQUES AERIENNES**
[72] RAY, MARK, US
[72] ANDERSON, KAARE JOSEF, US
[73] ROSEMOUNT AEROSPACE, INC., US
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[54] **DISPOSITIF DISJONCTEUR DE CIRCUIT CC HYBRIDE**
[72] MOHADDES, MOJTABA, CA
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **PROCESS FOR THE ASYMMETRIC OXIDATION OF ORGANIC COMPOUNDS WITH PEROXIDES IN THE PRESENCE OF A CHIRAL ACID CATALYST**
[54] **PROCEDE POUR L'OXYDATION ASYMETRIQUE DE COMPOSES ORGANIQUES AVEC DES PEROXYDES EN PRESENCE D'UN CATALYSEUR ACIDE CHIRAL**
[72] LIST, BENJAMIN, DE
[72] CORIC, ILIJA, DE
[72] LIAO, SAIHU, CN
[73] STUDIENGESELLSCHAFT KOHLE MBH, DE
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[54] **SYSTEME DE CROISSANCE DE PLANTE ET SON PROCEDE D'UTILISATION**
[72] PRINSTER, MARK GERARD, US
[72] SCHULTZ, BRADLEY ALAN, US
[72] RYGIELSKI, KIMBERLY ANN, US
[72] PHILLIPS, MATTHEW L., US
[72] BRUNO, ROBERT H., US
[72] NATHAN, PHILIP J., US
[72] ZASADZINSKI, TARA MARIE, US
[72] ALEXANDER, ASHLEY E., US
[72] GORDON, SARA ANN, US
[73] OMS INVESTMENTS, INC., US
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[54] **METHOD FOR CHECKING TOLL TRANSACTIONS AND COMPONENTS THEREFOR**
[54] **PROCEDE POUR VERIFIER LES TRANSACTIONS DE PEAGES ET LES COMPOSANTS CONNEXES**
[72] POVOLNY, ROBERT, AT
[72] NAGY, OLIVER, AT
[73] KAPSCH TRAFFICCOM AG, AT
[86] (2861470)
[87] (2861470)
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[54] **BONE CLEANING ASSEMBLY INCLUDING CUTTER**
[54] **ENSEMBLE NETTOYAGE D'OS COMPRENANT UNE LAME**
[72] DIEHL, ERIC K., US
[72] LYNCH, ROBERT E., US
[72] KEILERS, CYRIL A., US
[72] BERNERO, JOHN P., US
[72] HORTON, JOHN COLEMAN, IV., US
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[54] **HASE RHEOLOGY MODIFIER VAE EMULSION COPOLYMER COMPOSITION**
[54] **COMPOSITION DE COPOLYMERE EN EMULSION D'ACETATE DE VINYLE/ETHYLENE A MODIFICATEUR DE RHEOLOGIE DE TYPE HASE**
[72] CARCHIDI, MATTHEW J., US
[72] UNANGST, JACLYNN, US
[72] RABASCO, JOHN J., US
[72] VAN DYK, ANTONY K., US
[73] ROHM AND HAAS COMPANY, US
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[25] EN
[54] **TOMATO PLANTS WITH INTENSE PHENOTYPE AND TYLCV RESISTANCE**
[54] **PLANTS DE TOMATE PRESENTANT LE PHENOTYPE INTENSE ET UNE RESISTANCE A TYLCV**
[72] VECCHIO, FRANCO, IT
[72] VERBAKEL, HENK, NL
[73] NUNHEMS B. V., NL
[85] 2014-09-12
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[54] **PROCEDE DE CO-PRECIPITATION**
[72] MCARTHUR, TINA LANETTE, US
[72] HUTCHISON, TRACY, US
[72] MCKANNAN, JON, US
[72] CASSINGHAM, CHARLES VAUGHN, US
[73] NEOMEND, INC., US
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[25] EN
[54] **INTERNAL COMBUSTION ENGINE USING A WATER-BASED MIXTURE AS FUEL AND METHOD FOR OPERATING THE SAME**
[54] **MOTEUR A COMBUSTION INTERNE UTILISANT UN MELANGE A BASE D'EAU EN TANT QUE CARBURANT ET PROCEDE D'EXPLOITATION DE CELUI-CI**
[72] SHMUELI, YEHUDA, US
[72] SHMUELI, EITAN, US
[72] SHMUELI, DORON, US
[73] MAYMAAN RESEARCH, LLC, US
[85] 2014-09-22
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[25] EN
[54] **WIND TURBINE AND METHOD FOR EVALUATING THE HEALTH STATE OF THE BLADES THEREOF**
[54] **EOLIENNE ET METHODE D'EVALUATION DE L'ETAT DE SANTE DE SES PALES**
[72] FU, XU, CN
[72] WU, ZHILIN, CN
[72] QIU, HAI, CN
[73] GENERAL ELECTRIC COMPANY, US
[86] (2868643)
[87] (2868643)
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[25] EN
[54] **METHOD FOR PRODUCING RECOMBINANT PEPTIDES AND RESULTANT PEPTIDES WITH SEXUAL-FUNCTION STIMULATING ACTIVITY**
[54] **METHODE DE PRODUCTION DE PEPTIDES RECOMBINANTS ET PEPTIDES RESULTANTS AYANT UNE ACTIVITE DE STIMULATION DE LA FONCTION SEXUELLE**
[72] MYASOEDOV, NIKOLAY FEDOROVICH, RU
[72] ANDREEVA, LYUDMILA ALEXANDROVNA, RU
[72] GOLIKOV, DMITRIY VIKTOROVICH, RU
[73] OVB (IRELAND) LIMITED, IE
[85] 2014-09-26
[86] 2013-05-28 (PCT/RU2013/000433)
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[13] C
[51] **Int.Cl. A61M 16/16 (2006.01)**
[25] EN
[54] **BREATHING ASSISTANCE APPARATUS WITH SERVICEABILITY FEATURES**
[54] **APPAREIL D'ASSISTANCE RESPIRATOIRE PRESENTANT DES CARACTERISTIQUES D'APTITUDE A L'USAGE**
[72] FRAME, SAMUEL ROBERTSON, NZ
[72] CRONE, CHRISTOPHER MALCOLM, NZ
[72] QUILL, CHRISTOPHER SIMON JAMES, NZ
[72] O'DONNELL, KEVIN PETER, NZ
[72] HSU, JACK CHE-WEI, NZ
[72] HAN, JOHN, NZ
[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
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[30] US (61/620,676) 2012-04-05

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[13] C
[51] **Int.Cl. A01D 41/12 (2006.01)**
[25] EN
[54] **COMBINE HEADER FOR STRIPPING SEEDS**
[54] **ORGANE DE COUPE COMBINE SERVANT A PELER LES SEMENCES**
[72] BRUMMELHUIS, ANTONIUS J.M., CA
[73] BRUMMELHUIS, ANTONIUS J.M., CA
[86] (2869167)
[87] (2869167)
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[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 7/00 (2006.01) C07K 16/40 (2006.01) C07K 16/46 (2006.01)**
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[54] **COMPOSITIONS AND METHODS OF INHIBITING MASP-1 AND/OR MASP-2 AND/OR MASP-3 FOR THE TREATMENT OF PAROXYSMAL NOCTURNAL HEMOGLOBINURIA**
[54] **COMPOSITIONS ET METHODES D'INHIBITION DE MASP-1, MASP-2 OU MASP-3 POUR LE TRAITEMENT D'HEMOGLOBINURIE PAROXYSTIQUE NOCTURNE**
[72] SCHWAEBLE, HANS-WILHELM, GB
[72] DEMOPULOS, GREGORY A., US
[73] OMEROS CORPORATION, US
[73] UNIVERSITY OF LEICESTER, GB
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[54] **METHODS AND SYSTEMS FOR DETECTING AN ANALYTE OR CLASSIFYING A SAMPLE**
[54] **PROCEDES ET SYSTEMES POUR LA DETECTION D'UN ANALYTE OU LE CLASSEMENT D'UN ECHANTILLON**
[72] TROWELL, STEPHEN CHARLES, AU
[72] DACRES, HELEN, AU
[72] LE, NAM CAO HOAI, VN
[72] GEL, MURAT, AU
[72] ZHU, YONGGANG, AU
[72] WU, NAN, CN
[73] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
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[54] **PLAQUE DE PRISE ELECTRIQUE UNIVERSELLE**
[72] DAHL, FREDERICK ALAN, US
[72] KOBERG, JAMES JEROME, US
[72] AMACHER, BRIAN ALLEN, US
[73] TRYSTAR, LLC, US
[86] (2870161)
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[54] **SAFETY SYRINGE**
[54] **SERINGUE DE SECURITE**
[72] HUNG, CHIH-KUO, CN
[73] BO-REN JHENG, CN
[73] YIH HOONG ENTERPRISE CO., LTD, CN
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[54] **LACTOFERRIN FUSION PROTEIN AND METHOD FOR PREPARATION THEREOF**
[54] **PROTEINE DE FUSION A BASE DE LACTOFERRINE ET SON PROCEDE DE PRODUCTION**
[72] SATO, ATSUSHI, JP
[72] KAGAYA, SHINJI, JP
[73] KAGAYA, SHINJI, JP
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[54] **CATALYST FOR ALKANE OXIDATIVE DEHYDROGENATION AND/OR ALKENE OXIDATION**
[54] **CATALYSEUR POUR LA DESHYDROGENATION OXYDATIVE D'ALCANE ET/OU L'OXYDATION D'ALCENE**
[72] DE ROOIJ, FRISO, NL
[72] SCHOONEBEEK, RONALD JAN, NL
[72] SLOT, JOHANNA JACOBA, NL
[72] VERHAAK, MICHAEL JOHANNES FRANCISCUS MARIA, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[54] **ANTIMICROBIAL COMPOUNDS**
[54] **COMPOSES ANTIMICROBIENS**
[72] COBURN, CHARLES E., US
[72] PEERA, ASGHAR A., US
[72] MCGINLEY, HEATHER R., US
[72] KOEHLER, THOMAS, CH
[73] NUTRITION & BIOSCIENCES USA 2, LLC, US
[73] NUTRITION & BIOSCIENCES USA 1, LLC, US
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[54] **REASSORTANT BTV VACCINES**
[54] **VACCINS CONTRE LES VIRUS REASSORTIS DE LA FIEVRE CATARRHALE OVINE**
[72] PALMARINI, MASSIMO, GB
[72] HUDELET, PASCAL, FR
[72] AUDONNET, JEAN-CHRISTOPHE, FR
[72] NUNES, SANDRO, FILIPE, GB
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[73] BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC., US
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[25] EN
[54] **BINDERS, ELECTROLYTES AND SEPARATOR FILMS FOR ENERGY STORAGE AND COLLECTION DEVICES USING DISCRETE CARBON NANOTUBES**
[54] **LIANTS, ELECTROLYTES ET FILMS SEPARATEURS POUR DISPOSITIFS DE STOCKAGE ET DE COLLECTE D'ENERGIE FAISANT APPEL A DES NANOTUBES DE CARBONE INDIVIDUELS**
[72] SWOGGER, KURT W., US
[72] BOSNYAK, CLIVE P., US
[72] MARINKOVIC, MILOS, US
[73] MOLECULAR REBAR DESIGN, LLC, US
[85] 2014-12-11
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[54] **MUCOADHESIVE NANOPARTICLE DELIVERY SYSTEM**
[54] **SYSTEME D'ADMINISTRATION DE NANOPARTICULES MUCOADHESIVES**
[72] GU, FRANK, CA
[72] JONES, LYNDON WILLIAM JAMES, CA
[72] LIU, SHENGYAN (SANDY), CA
[73] UNIVERSITY OF WATERLOO, CA
[85] 2014-12-17
[86] 2013-06-20 (PCT/CA2013/050475)
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[54] **SPECIFIC SALIVARY BIOMARKERS FOR RISK DETECTION, EARLY DIAGNOSIS, PROGNOSIS AND MONITORING OF ALZHEIMER'S AND PARKINSON'S DISEASES**
[54] **BIOMARQUEURS SALIVAIRES SPECIFIQUES POUR LA DETECTION DE RISQUES, LE DIAGNOSTIC PRECOCE, LE PRONOSTIC ET LA SURVEILLANCE DE LA MALADIE D'ALZHEIMER ET DE LA MALADIE DE PARKINSON**
[72] RAI, BALWANT, IN
[72] KAUR, JASDEEP, IN
[73] OASIS DIAGNOSTICS CORPORATION, US
[85] 2014-10-07
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[25] EN
[54] **HELICASE CONSTRUCT AND ITS USE IN CHARACTERISING POLYNUCLEOTIDES**
[54] **CONSTRUCTION COMPRENANT UNE HELICASE ET SON UTILISATION DANS LA CARACTERISATION DES POLYNUCLEOTIDES**
[72] HERON, ANDREW, GB
[72] CLARKE, JAMES, GB
[72] MOYSEY, RUTH, GB
[72] WALLACE, ELIZABETH JAYNE, GB
[72] BRUCE, MARK, GB
[72] JAYASINGHE, LAKMAL, GB
[72] CAPROTTI, DOMENICO, GB
[72] SOEROES, SZABOLCS, GB
[72] MCNEILL, LUKE, GB
[72] MISCA, MIHAELA, GB
[73] OXFORD NANOPORE TECHNOLOGIES LIMITED, GB
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[54] **ALKOXY PYRAZOLES AS SOLUBLE GUANYLATE CYCLASE ACTIVATORS**
[54] **ALCOXYPYRAZOLES COMME ACTIVATEURS DE GUANYLATE CYCLASE SOLUBLE**
[72] BRENNEMAN, JEHROD BURNETT, US
[72] GINN, JOHN DAVID, US
[72] LOWE, MICHAEL D., US
[72] SARKO, CHRISTOPHER RONALD, US
[72] TASBER, EDWARD S., US
[72] ZHANG, ZHONGHUA, US
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2015-01-28
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[54] **METALLIZED OPTICAL FIBER**
[54] **FIBRE OPTIQUE METALLISEE**
[72] FU, LIN, US
[72] FLORY, ANNY, US
[72] POLANKSY, DAMIEN, US
[72] KMIEC, CHESTER J., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
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[86] 2013-09-05 (PCT/US2013/058182)
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[51] **Int.Cl. G01N 33/497 (2006.01) G01N 21/35 (2014.01)**
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[54] **HIGHLY ACCURATE BREATH TEST SYSTEM**
[54] **SYSTEME D'ANALYSE D'HALEINE DE HAUTE PRECISION**
[72] HOK, BERTIL, SE
[72] SMITH, LEIF, SE
[72] GRANSTAM, MATHIAS, SE
[73] AUTOMOTIVE COALITION FOR TRAFFIC SAFETY, INC., US
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[25] EN
[54] **SYSTEMS AND METHODS FOR FACILITATING THE PURCHASE OF ONE OR MORE VEHICLES**
[54] **SYSTEMES ET PROCEDES POUR FACILITER L'ACHAT D'UN OU PLUSIEURS VEHICULES**
[72] HYGEMA, MELANIE ALLGOOD, US
[72] KELLY, BRETT MICHAEL, US
[72] ZAVITZ, BRIAN CAMERON, US
[72] RUSSEK, PAMELA ANN, US
[72] PUENTE, JOSE IGNACIO, US
[72] PARK, NICHOLAS JAMES, US
[73] AUTOTRADER.COM, INC., US
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[54] **SYSTEMS AND METHODS FOR HANDLING STACKABLE WORKSPACES**
[54] **SYSTEMES ET PROCEDES POUR GERER DES ESPACES DE TRAVAIL EMPILABLES**
[72] JITKOFF, JOHN NICHOLAS, US
[72] KUSCHER, ALEXANDER FRIEDRICH, US
[72] VIOLET, SCOTT RONALD, US
[72] MURPHY, GLEN, US
[73] GOOGLE LLC, US
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[54] **AN IMPROVED DENTAL MATRIX BAND RETAINER**
[54] **ORGANE DE RETENUE DE BANDE POUR MATRICE DENTAIRE AMELIORE**
[72] MCDONALD, SIMON P., NZ
[73] DENTSPLY INTERNATIONAL INC., US
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[54] **A VETERINARY METHOD OF ALLEVIATING NOISE AVERSION**
[54] **PROCEDE VETERINAIRE D'ATTENUATION D'AVERSION AU BRUIT**
[72] KOKKONEN, JOHANNA, FI
[72] KORPIVAARA, MIRA, FI
[72] SAREN, NINA, FI
[73] ORION CORPORATION, FI
[85] 2015-03-13
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[25] EN
[54] **MESOTHELIN ANTIBODIES AND METHODS FOR ELICITING POTENT ANTITUMOR ACTIVITY**
[54] **ANTICORPS DIRIGES CONTRE LA MESOTHELINE ET PROCEDES D'INDUCTION D'UNE ACTIVITE ANTICANCEREUSE PUISSANTE**
[72] HO, MITCHELL, US
[72] PASTAN, IRA H., US
[72] DIMITROV, DIMITER S., US
[72] TANG, ZHEWEI, US
[72] FENG, MINGQIAN, US
[72] GAO, WEI, US
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[25] EN
[54] **PRECONDITIONING CONTROLS AND METHODS FOR AN ENVIRONMENTAL CONTROL SYSTEM**
[54] **COMMANDES ET PROCEDES DE PRE-CONDITIONNEMENT DESTINES A UN SYSTEME DE REGULATION DES CONDITIONS AMBIANTES**
[72] STEFANSKI, MARK, US
[72] MATSUOKA, YOKY, US
[73] GOOGLE LLC, US
[85] 2015-03-24
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[25] EN
[54] **A DISPOSABLE BREWING DEVICE AND USE OF A DISPOSABLE BREWING DEVICE**
[54] **DISPOSITIF D'INFUSION JETABLE ET UTILISATION D'UN DISPOSITIF D'INFUSION JETABLE**
[72] SKOVGAARD RASMUSSEN, ULRIK, DK
[73] COLUMBUS E. APS, DK
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[25] EN
[54] **EXENDIN-4 DERIVATIVES AS DUAL GLP1/GLUCAGON AGONISTS**
[54] **DERIVES D'EXENDINE-4 UTILISES EN TANT QU'AGONISTES DOUBLES DE GLP1/GLUCAGON**
[72] HAACK, TORSTEN, DE
[72] WAGNER, MICHAEL, DE
[72] HENKEL, BERND, DE
[72] STENGELIN, SIEGFRIED, DE
[72] EVERS, ANDREAS, DE
[72] BOSSART, MARTIN, DE
[73] SANOFI, FR
[85] 2015-04-07
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[30] EP (12306232.5) 2012-10-09
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[54] **MECHANISM FOR DYNAMICALLY VARYING BLADE LOAD OVER A WINDSHIELD WIPER SWEEP CYCLE**
[54] **MECANISME DE VARIATION DYNAMIQUE D'UNE CHARGE DE LAME SUR UN CYCLE DE BALAYAGE DE LAME D'ESSUIE-GLACE**
[72] REID, ALEXANDER N., US
[72] WEBB, MATTHEW, US
[73] ROSEMOUNT AEROSPACE, INC., US
[86] (2887967)
[87] (2887967)
[22] 2015-04-10
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[25] EN
[54] **METHOD FOR THE FRACTIONATION OF PHOSPHOLIPIDS FROM PHOSPHOLIPID-CONTAINING MATERIAL**
[54] **PROCEDE POUR FRACTIONNER DES PHOSPHOLIPIDES A PARTIR D'UN MATERIAU CONTENANT DES PHOSPHOLIPIDES**
[72] BRUECHER, TOBIAS, DE
[72] DEMEY, JOHAN, BE
[72] KATTE, MATTHIAS, DE
[72] MOLNAR, JEFF, US
[72] TIROK, SUSANNE, DE
[73] CARGILL, INCORPORATED, US
[85] 2015-04-15
[86] 2013-10-24 (PCT/US2013/066590)
[87] (WO2014/066623)
[30] EP (12007299.6) 2012-10-24

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[25] EN
[54] **PRODUCTION OF RECOMBINANT VACCINE IN E. COLI BY ENZYMATIC CONJUGATION**
[54] **PRODUCTION D'UN VACCIN RECOMBINANT DANS E. COLI PAR CONJUGAISON ENZYMATIQUE**
[72] WACKER, MICHAEL, CH
[72] KOWARIK, MICHAEL, CH
[72] WETTER, MICHAEL, CH
[72] FARIDMOAYER, AMIRREZA, CH
[73] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[85] 2015-04-27
[86] 2013-11-07 (PCT/EP2013/073266)
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[25] EN
[54] **HYDRAZINYL-INDOLE COMPOUNDS AND CONJUGATES**
[54] **COMPOSES HYDRAZINYL-INDOLES ET CONJUGUES**
[72] KUDIRKA, ROMAS ALVYDAS, US
[72] ALBERS, AARON EDWARD, US
[72] BARFIELD, ROBYN M., US
[72] RABUKA, DAVID, US
[73] REDWOOD BIOSCIENCE, INC., US
[85] 2015-04-28
[86] 2013-11-14 (PCT/US2013/070142)
[87] (WO2014/078566)
[30] US (61/727,603) 2012-11-16

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[13] C
[51] **Int.Cl. A61F 2/00 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **FOLDED MESH FOR REPAIR OF MUSCLE WALL DEFECT**
[54] **TREILLIS REPLIE POUR REPARATION DE DEFAUT DANS LA PAROI MUSCULAIRE**
[72] ASTANI-MATTHIES, AIDA, DE
[72] DEICHMANN, THORSTEN, DE
[72] KAISER, DAJANA, DE
[72] HENNEMANN, ANDREA, DE
[72] PETERS, BURKHARD, DE
[73] JOHNSON & JOHNSON MEDICAL GMBH, DE
[85] 2015-04-30
[86] 2013-10-04 (PCT/EP2013/002986)
[87] (WO2014/067608)
[30] DE (10 2012 021 547.9) 2012-11-02

[11] **2,890,289**
[13] C
[51] **Int.Cl. A01N 63/20 (2020.01) A01N 25/14 (2006.01) A01P 21/00 (2006.01)**
[25] FR
[54] **BACTERIAL COMPOSITION FOR IMPROVING PLANT GROWTH**
[54] **COMPOSITION A BASE DE BACTERIES POUR AMELIORER LA CROISSANCE DES PLANTES**
[72] COR, OLIVIER, FR
[72] SANCHEZ, BRUNO, FR
[73] DANSTAR FERMENT AG, CH
[85] 2015-04-29
[86] 2013-10-30 (PCT/IB2013/059795)
[87] (WO2014/068501)
[30] FR (1260339) 2012-10-30

[11] **2,890,841**
[13] C
[51] **Int.Cl. G07F 19/00 (2006.01) G09B 21/00 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING AN AUTOMATIC DISTRIBUTION OR COMMAND MACHINE AND ASSOCIATED AUTOMATIC DISTRIBUTION OR COMMAND MACHINE**
[54] **PROCEDE DE CONTROLE D'UN AUTOMATE DE DISTRIBUTION OU DE COMMANDE ET AUTOMATE DE DISTRIBUTION OU DE COMMANDE ASSOCIE**
[72] WARNITZ, PHILIPPE, FR
[73] THALES, FR
[85] 2015-05-08
[86] 2013-11-28 (PCT/EP2013/074973)
[87] (WO2014/083108)
[30] FR (12 03231) 2012-11-29

[11] **2,891,636**
[13] C
[51] **Int.Cl. G10L 19/008 (2013.01) H04H 20/89 (2009.01) H04S 3/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR COMPRESSING AND DECOMPRESSING A HIGHER ORDER AMBISONICS REPRESENTATION FOR A SOUND FIELD**
[54] **PROCEDE ET APPAREIL POUR COMPRESSION ET DECOMPRESSION DE REPRESENTATION D'AMBIPHONIE D'ORDRE SUPERIEUR (HOA) POUR CHAMP SONORE**
[72] KRUEGER, ALEXANDER, DE
[72] KORDON, SVEN, DE
[72] BOEHM, JOHANNES, DE
[73] DOLBY INTERNATIONAL AB, SE
[85] 2015-05-14
[86] 2013-12-04 (PCT/EP2013/075559)
[87] (WO2014/090660)
[30] EP (12306569.0) 2012-12-12

[11] **2,891,943**
[13] C
[51] **Int.Cl. B23K 9/10 (2006.01) B60P 3/14 (2006.01)**
[25] EN
[54] **WELDING SYSTEM HAVING AN AUXILIARY CHARGER**
[54] **SYSTEME DE SOUDAGE DOTE D'UN CHARGEUR AUXILIAIRE**
[72] ULRICH, JAMES F., US
[72] SYKES, ALLEN RAYMOND, US
[73] ILLNOIS TOOL WORKS INC., US
[85] 2015-05-19
[86] 2014-02-24 (PCT/US2014/018118)
[87] (WO2014/149404)
[30] US (13/841,626) 2013-03-15

[11] **2,893,048**
[13] C
[51] **Int.Cl. A61B 5/389 (2021.01) A61B 5/394 (2021.01) A61M 16/04 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **ENDOBRONCHIAL TUBE APPARATUS**
[54] **APPAREIL A TUBE ENDOBRONCHIQUE**
[72] LI, WENJENG, US
[73] MEDTRONIC XOMED, INC., US
[85] 2015-05-28
[86] 2013-11-27 (PCT/US2013/072193)
[87] (WO2015/080721)

[11] **2,893,822**
[13] C
[51] **Int.Cl. A61K 35/74 (2015.01) A23C 9/12 (2006.01)**
[25] EN
[54] **STRAIN OF BIFIDOBACTERIUM ANIMALIS SSP. ANIMALIS**
[54] **SOUCHE DE BIFIDOBACTERIUM ANIMALIS SSP. ANIMALIS**
[72] LEGRAIN-RASPAUD, SOPHIE, FR
[72] GROMPONE, GIANFRANCO, FR
[72] CAPRONNIER, SANDRINE, FR
[72] SMOKVINA, TAMARA, FR
[72] DEGIVRY, MARIE-CHRISTINE, FR
[72] LESIC, BILIANA, FR
[72] NEUNLIST, MICHEL, FR
[73] COMPAGNIE GERVAIS DANONE, FR
[85] 2015-06-04
[86] 2013-12-10 (PCT/IB2013/060774)
[87] (WO2014/097050)
[30] IB (PCT/IB2012/057431) 2012-12-18

[11] **2,895,301**
[13] C
[51] **Int.Cl. C07C 69/757 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **ESTERS OF GLYCYRRHETINIC ACID, PREPARATION AND COSMETIC APPLICATIONS THEREOF**
[54] **ESTERS D'ACIDE GLYCYRRHETINIQUE, LEUR PREPARATION ET LEURS APPLICATIONS COSMETIQUES**
[72] GIULIANI, GIAMMARIA, IT
[72] BENEDUSI, ANNA, IT
[72] BREGAGLIO, GUIDO, IT
[72] MASCOLO, ANTONIO, IT
[73] GIULIANI S.P.A., IT
[85] 2015-06-16
[86] 2013-12-18 (PCT/IB2013/061087)
[87] (WO2014/097176)
[30] IT (MI2012A002169) 2012-12-18

[11] **2,895,752**
[13] C
[51] **Int.Cl. C12N 9/10 (2006.01) C12N 15/54 (2006.01) C12N 15/63 (2006.01) C12P 13/00 (2006.01)**
[25] EN
[54] **ENGINEERED BIOCATALYSTS AND METHODS FOR SYNTHESIZING CHIRAL AMINES**
[54] **BIOCATALYSEURS GENETIQUEMENT MODIFIES ET PROCEDES DE SYNTHESE D'AMINES CHIRALES**
[72] TANG, WENG LIN, SG
[72] HSIEH, HELEN, SG
[72] PHAM, SON, SG
[72] SMITH, DEREK, SG
[72] COLLIER, STEVEN J., US
[73] CODEXIS, INC., US
[85] 2015-06-18
[86] 2013-12-16 (PCT/US2013/075294)
[87] (WO2014/099730)
[30] US (61/745,219) 2012-12-21

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[13] C
[51] **Int.Cl. A61K 31/497 (2006.01) A61K 31/4965 (2006.01) A61K 31/506 (2006.01) A61P 9/12 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **NON-SELECTIVE KINASE INHIBITORS**
[54] **INHIBITEURS DE KINASE NON SELECTIFS**
[72] ZISMAN, LAWRENCE S., US
[73] PULMOKINE, INC., US
[73] GILEAD SCIENCES, INC., US
[85] 2015-07-08
[86] 2014-01-09 (PCT/US2014/010778)
[87] (WO2014/110200)
[30] US (61/751,217) 2013-01-10
[30] US (61/889,887) 2013-10-11

[11] **2,898,546**
[13] C
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **MOBILE COMMUNICATION DEVICE AND METHOD FOR ALLOCATING RESOURCES OUTSIDE OF A VIRTUAL CARRIER BASED ON UE CAPABILITIES**
[54] **DISPOSITIF DE COMMUNICATION MOBILE ET PROCEDE D'ATTRIBUTION DE RESSOURCES A L'EXTERIEUR D'UNE PORTEUSE VIRTUELLE EN FONCTION DES CAPACITES DES UE**
[72] MORIOKA, YUICHI, GB
[72] WEBB, MATTHEW, GB
[72] WAKABAYASHI, HIDEJI, GB
[72] KOULAKIOTIS, DIMITRIS, CY
[72] TRUELOVE, STEPHEN, GB
[73] SONY GROUP CORPORATION, JP
[85] 2015-07-17
[86] 2014-01-17 (PCT/GB2014/050143)
[87] (WO2014/114920)
[30] GB (1301289.3) 2013-01-24

[11] **2,898,747**
[13] C
[51] **Int.Cl. G16B 5/20 (2019.01) G16B 20/00 (2019.01) G16B 20/10 (2019.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **STATISTICAL ANALYSIS FOR NON-INVASIVE SEX CHROMOSOME ANEUPLOIDY DETERMINATION**
[54] **ANALYSE STATISTIQUE POUR DETERMINATION NON-INVASIVE D'UNE L'ANEUPLOIDIE DES CHROMOSOMES SEXUELS**
[72] STRUBLE, CRAIG, US
[72] OLIPHANT, ARNOLD, US
[72] WANG, ERIC, US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2015-07-20
[86] 2014-02-19 (PCT/US2014/017081)
[87] (WO2014/200579)
[30] US (13/917,329) 2013-06-13

[11] **2,899,342**
[13] C
[51] **Int.Cl. A61K 31/417 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR DAILY OPHTHALMIC ADMINISTRATION OF PHENTOLAMINE TO IMPROVE VISUAL PERFORMANCE**
[54] **PROCEDES ET COMPOSITIONS POUR L'ADMINISTRATION OPHTALMIQUE QUOTIDIENNE DE PHENTOLAMINE POUR AMELIORER LES PERFORMANCES VISUELLES**
[72] MEYER, ALAN, US
[73] OCUPHIRE PHARMA, INC., US
[85] 2015-07-24
[86] 2014-01-31 (PCT/US2014/014070)
[87] (WO2014/121028)
[30] US (61/759,542) 2013-02-01

[11] **2,899,349**
[13] C
[51] **Int.Cl. C08F 285/00 (2006.01) C08J 3/075 (2006.01)**
[25] EN
[54] **SALT-TOLERANT STAR MACROMOLECULES**
[54] **MACROMOLECULES EN ETOILE TOLERANTES AUX SELS**
[72] HUANG, LIANG, US
[72] LIAO, YUANXI, US
[72] MCCARTHY, PATRICK, US
[73] PILOT POLYMER TECHNOLOGIES, INC., US
[85] 2015-07-24
[86] 2014-02-03 (PCT/US2014/014416)
[87] (WO2014/121188)
[30] US (61/760,210) 2013-02-04

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[13] C
[51] **Int.Cl. A61K 8/41 (2006.01) A61K 8/69 (2006.01) A61Q 5/00 (2006.01) A61Q 5/10 (2006.01)**
[25] EN
[54] **COMPOSITION FOR COSMETIC USE SUITABLE TO PRODUCE A PIGMENTATION EFFECT ON HAIR**
[54] **COMPOSITION COSMETIQUE PRODUISANT UN EFFET DE PIGMENTATION DU CHEVEU**
[72] GIULIANI, GIAMMARIA, IT
[72] PAUS, RALF, DE
[72] BENEDUSI, ANNA, IT
[72] MARZANI, BARBARA, IT
[72] BARONI, SERGIO, IT
[73] GIULIANI S.P.A., IT
[85] 2015-07-28
[86] 2014-02-17 (PCT/IB2014/059048)
[87] (WO2014/125452)
[30] IT (MI2013A000218) 2013-02-18

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[13] C
[51] **Int.Cl. C07D 487/18 (2006.01) A61K 31/504 (2006.01) A61P 21/00 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) C07D 487/22 (2006.01)**
[25] EN
[54] **MACROCYCLIC PYRIDAZINONE DERIVATIVES**
[54] **DERIVES DE PYRIDAZINONE MACROCYCLIQUES**
[72] JORAND-LEBRUN, CATHERINE, FR
[72] KULKARNI, SANTOSH, IN
[72] CHRISTMANN-FRANCK, SERGE, CH
[73] MERCK PATENT GMBH, DE
[85] 2015-08-06
[86] 2014-02-07 (PCT/EP2014/000337)
[87] (WO2014/121942)
[30] EP (13154391.0) 2013-02-07

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[13] C
[51] **Int.Cl. C09J 5/02 (2006.01) A61K 6/896 (2020.01)**
[25] EN
[54] **DENTAL PRIMER FORMULATION**
[54] **COMPOSITION D'APPRET DENTAIRE**
[72] CATEL, DELPHINE, CH
[72] BOCK, THORSTEN, AT
[72] SALZ, ULRICH, DE
[73] IVOCLAR VIVADENT AG, LI
[85] 2015-08-14
[86] 2014-02-19 (PCT/EP2014/000444)
[87] (WO2014/139629)
[30] EP (EP13159634) 2013-03-15

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[13] C
[51] **Int.Cl. H04N 19/51 (2014.01)**
[25] EN
[54] **ENHANCING MOTION PICTURES WITH ACCURATE MOTION INFORMATION**
[54] **AMELIORATION D'IMAGES ANIMEES AVEC DES INFORMATIONS DE MOUVEMENT PRECISES**
[72] ZHANG, NING, CA
[72] ZHOU, SAMUEL ZIHENG, CA
[73] IMAX CORPORATION, CA
[85] 2015-08-19
[86] 2014-03-25 (PCT/IB2014/060139)
[87] (WO2014/155290)
[30] US (61/804,814) 2013-03-25

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF INFLAMMATORY DISORDERS**
[54] **COMPOSES ET COMPOSITIONS PHARMACEUTIQUES LES CONTENANT DESTINES A TRAITER LES TROUBLES INFLAMMATOIRES**
[72] DESROY, NICOLAS, FR
[72] HECKMANN, BERTRAND, FR
[72] BRYS, REGINALD CHRISTOPHE XAVIER, BE
[72] JONCOUR, AGNES, FR
[72] PEIXOTO, CHRISTOPHE, FR
[72] BOCK, XAVIER, FR
[73] GALAPAGOS NV, BE
[85] 2015-08-21
[86] 2014-03-07 (PCT/EP2014/054440)
[87] (WO2014/139882)
[30] US (61/781,174) 2013-03-14

[11] **2,902,347**
[13] C
[51] **Int.Cl. C07D 213/79 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01N 47/02 (2006.01) A01P 13/00 (2006.01) C07D 239/28 (2006.01)**
[25] EN
[54] **4-AMINO-6-(4-SUBSTITUTED-PHENYL)-PICOLINATES AND 6-AMINO-2-(4-SUBSTITUTED-PHENYL)-PYRIMIDINE-4-CARBOXYLATES AND THEIR USE AS HERBICIDES**
[54] **4-AMINO-6-(4-PHENYLE SUBSTITUE)-PICOLINATES ET 6-AMINO-2-(4-PHENYLE SUBSTITUE)-PYRIMIDINE-4-CARBOXYLATES ET LEUR UTILISATION COMME HERBICIDES**
[72] ECKELBARGER, JOSEPH D., US
[72] EPP, JEFFREY B., US
[72] FISCHER, LINDSEY G., US
[72] GIAMPIETRO, NATALIE C., US
[72] IRVINE, NICHOLAS M., US
[72] KISTER, JEREMY, US
[72] LO, WILLIAM C., US
[72] LOWE, CHRISTIAN T., US
[72] PETKUS, JEFFREY, US
[72] ROTH, JOSHUA, US
[72] SATCHIVI, NORBERT M., US
[72] SCHMITZER, PAUL R., US
[72] SIDDALL, THOMAS L., US
[72] YERKES, CARLA N., US
[73] DOW AGROSCIENCES LLC, US
[85] 2015-08-24
[86] 2014-03-12 (PCT/US2014/024388)
[87] (WO2014/150850)
[30] US (13/840,233) 2013-03-15

[11] **2,902,349**
[13] C
[51] **Int.Cl. G06T 17/00 (2006.01)**
[25] EN
[54] **IMAGE PROCESSING**
[54] **TRAITEMENT D'IMAGE**
[72] SKROBANSKI, GEORGE, GB
[73] ARITHMETICA LTD, GB
[85] 2015-08-25
[86] 2014-02-27 (PCT/GB2014/000068)
[87] (WO2014/132020)
[30] GB (1303540.7) 2013-02-27

[11] **2,902,446**
[13] C
[51] **Int.Cl. E05C 19/00 (2006.01) E05B 57/00 (2006.01) E05C 9/10 (2006.01)**
[25] EN
[54] **DOOR LOCK ASSEMBLY FOR A DWELLING**
[54] **ENSEMBLE VERROU DE PORTE POUR UN LOGEMENT**
[72] JADALLAH, SAMIR, US
[72] MARTIN, JOHN HILLERICH, US
[72] MARSH, ROBBY A., US
[72] LYLYK, NICOLAS PEDRO, US
[73] OTTO LLC, GB
[85] 2015-08-25
[86] 2014-02-28 (PCT/US2014/019650)
[87] (WO2014/134563)
[30] US (61/770,605) 2013-02-28

[11] **2,902,535**
[13] C
[51] **Int.Cl. F41J 5/14 (2006.01) A63B 63/00 (2006.01) A63B 69/00 (2006.01) A63B 71/06 (2006.01) F41J 5/04 (2006.01)**
[25] EN
[54] **STIMULANT TARGET UNIT AND ACCESSORY FOR A STIMULANT TARGET UNIT**
[54] **MODULE CIBLE STIMULANT ET ACCESSOIRE DE MODULE CIBLE STIMULANT**
[72] D'ANDRADE, DEREK, CA
[73] FITLIGHT SPORTS CORP., CA
[86] (2902535)
[87] (2902535)
[22] 2015-08-31
[30] US (14/839,523) 2015-08-28

[11] **2,902,848**
[13] C
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4427 (2006.01) A61P 9/00 (2006.01) A61P 13/12 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **3,4-DIHYDRO-2H-ISOQUINOLINE-1-ONE AND 2,3-DIHYDRO-ISOINDOL-1-ONE COMPOUNDS**
[54] **COMPOSES 3,4-DIHYDRO-2H-ISOQUINOLINE-1-ONE ET 2,3-DIHYDRO-ISOINDOL-1-ONE**
[72] AEBI, JOHANNES, CH
[72] AMREIN, KURT, CH
[72] CHEN, WENMING, CN
[72] HORNSPERGER, BENOIT, FR
[72] KUHN, BERND, CH
[72] LIU, YONGFU, CN
[72] MAERKI, HANS P., CH
[72] MARTIN, RAINER E., CH
[72] MAYWEG, ALEXANDER V., CH
[72] TAN, XUEFEI, CN
[72] WANG, LISHA, CH
[72] ZHOU, MINGWEI, CN
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2015-08-27
[86] 2014-05-26 (PCT/EP2014/060794)
[87] (WO2014/191340)
[30] CN (PCT/CN2013/076285) 2013-05-27

[11] **2,902,939**
[13] C
[51] **Int.Cl. H04W 76/14 (2018.01) H04W 4/14 (2009.01) H04W 92/18 (2009.01)**
[25] EN
[54] **MEDIUM ACCESS CONTROL SIGNALLING FOR DIRECT DEVICE TO DEVICE COMMUNICATIONS**
[54] **CONTROLE D'ACCES DU SUPPORT SIGNALANT LA COMMUNICATION DIRECTE DE DISPOSITIF A DISPOSITIF**
[72] GAGE, WILLIAM ANTHONY, CA
[72] MUKHERJEE, BISWAROOP, CA
[72] NOVAK, ROBERT, CA
[73] BLACKBERRY LIMITED, CA
[85] 2015-08-28
[86] 2014-02-28 (PCT/CA2014/050149)
[87] (WO2014/131129)
[30] US (13/781,469) 2013-02-28

[11] **2,903,288**
[13] C
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/444 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **N-ACYL-N'-(PYRIDIN-2-YL) UREAS AND ANALOGS EXHIBITING ANTI-CANCER AND ANTI-PROLIFERATIVE ACTIVITIES**
[54] **N-ACYL-N'-(PYRIDIN-2-YL)UREES ET ANALOGUES MONTRANT DES ACTIVITES ANTICANCEREUSES ET ANTIPROLIFERATIVES**
[72] CALDWELL, TIMOTHY MALCOLM, US
[72] PATT, WILLIAM C., US
[72] SAMARAKOON, THIWANKA, US
[72] VOGETI, LAKSHMINARAYANA, US
[72] YATES, KAREN M., US
[72] FLYNN, DANIEL L., US
[72] KAUFMAN, MICHAEL D., US
[73] DECIPHERA PHARMACEUTICALS, LLC, US
[85] 2015-08-31
[86] 2014-03-14 (PCT/US2014/029664)
[87] (WO2014/145028)
[30] US (61/789,971) 2013-03-15

[11] **2,905,103**
[13] C
[51] **Int.Cl. C07D 405/04 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01P 13/00 (2006.01) C07D 213/79 (2006.01) C07D 401/04 (2006.01)**
[25] EN
[54] **4-AMINO-6-(HETEROCYCLIC)PICOLINATES AND 6-AMINO-2-(HETEROCYCLIC)PYRIMIDINE-4-CARBOXYLATES AND THEIR USE AS HERBICIDES**
[54] **4-AMINO-6-(HETEROCYCLE)PICOLINATES ET 6-AMINO-2-(HETEROCYCLE) PYRIMIDINE-4-CARBOXYLATES ET LEUR UTILISATION COMME HERBICIDES**
[72] ECKELBARGER, JOSEPH D., US
[72] EPP, JEFFREY B., US
[72] FISCHER, LINDSEY G., US
[72] LOWE, CHRISTIAN T., US
[72] PETKUS, JEFF, US
[72] ROTH, JOSHUA, US
[72] SATCHIVI, NORBERT M., US
[72] SCHMITZER, PAUL RICHARD, US
[72] SIDDALL, THOMAS L., US
[73] DOW AGROSCIENCES LLC, US
[85] 2015-09-09
[86] 2014-03-12 (PCT/US2014/024749)
[87] (WO2014/151008)
[30] US (61/790,391) 2013-03-15

[11] **2,905,833**
[13] C
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF MANAGING ITEM PICKUP AT ATTENDED DELIVER/PICKUP LOCATIONS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE GERER L'ENLEVEMENT D'ARTICLES SUR DES SITES D'ENLEVEMENT ET DE LIVRAISON DESSERVIS**
[72] LIEVENS, DANIEL, BE
[72] DETHIER, VINCENT, BE
[72] PIRENNE, LUC, BE
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2015-09-11
[86] 2014-03-11 (PCT/US2014/023638)
[87] (WO2014/164855)
[30] US (61/777,968) 2013-03-12
[30] US (61/791,008) 2013-03-15
[30] US (14/201,029) 2014-03-07

[11] **2,905,980**
[13] C
[51] **Int.Cl. A41B 9/02 (2006.01) A63B 71/12 (2006.01)**
[25] EN
[54] **CLOTHING ARTICLE WITH PROTECTIVE CUP**
[54] **ARTICLE DE VETEMENT AYANT UNE COQUILLE**
[72] TURKBAS, JAY, US
[73] SHOCK DOCTOR, INC., US
[85] 2015-09-11
[86] 2014-03-13 (PCT/US2014/026527)
[87] (WO2014/160411)
[30] US (61/780,070) 2013-03-13

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[54] **TRAITEMENT DE FLUX DE DECHETS AQUEUX EN VUE D'ELIMINER LES ACIDES NAPHTENIQUES**
[72] FLATLEY, MARTIN, CA
[73] SUNCOR ENERGY INC., CA
[86] (2906571)
[87] (2906571)
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[54] **ROBOTIC SURGICAL DEVICES, SYSTEMS AND RELATED METHODS**
[54] **DISPOSITIFS CHIRURGICAUX ROBOTIQUES, SYSTEMES ET PROCEDES APPARENTES**
[72] FARRITOR, SHANE, US
[72] SANTORO, CHRIS, US
[72] SHASHO, JEFF, US
[72] KUMAR, NISHANT, US
[72] SZCZESIAK, MATEUSZ, US
[72] HERMAN, JASON, US
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[25] EN
[54] **CROSS-LINKED ORGANIC POLYMERS FOR USE AS ELASTOMERS**
[54] **POLYMERES ORGANIQUES RETICULES DESTINES A ETRE UTILISES COMME ELASTOMERES**
[72] DRAKE, KERRY A., US
[72] SONG, LE, US
[72] BURGOYNE, WILLIAM F., US
[73] DELSPER LP, US
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[25] EN
[54] **POLYALKYLENE OXIDE VALERATE HEMOGLOBIN CONJUGATES**
[54] **CONJUGUES HEMOGLOBINE-VALERATE D'OXYDE DE POLYALKYLENE**
[72] MALAVALLI, ASHOK, US
[72] MKRTCHYAN, GNEL, US
[72] VANDEGRIFF, KIM D., US
[73] SANGART, INC., US
[85] 2015-09-14
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[51] **Int.Cl. C10L 1/04 (2006.01) C10G 1/06 (2006.01)**
[25] EN
[54] **PROCESSES FOR LIQUEFYING CARBONACEOUS FEEDSTOCKS AND RELATED COMPOSITIONS**
[54] **PROCEDES DE LIQUEFACTION DE MATIERES CARBONEES ET COMPOSITIONS ASSOCIEES**
[72] MACDONNELL, FREDERICK M., US
[72] DENNIS, BRIAN H., US
[72] BILLO, RICHARD E., US
[72] PRIEST, JOHN W., US
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[25] EN
[54] **TREATMENT METHOD AND PRODUCT FOR UTERINE FIBROIDS USING PURIFIED COLLAGENASE**
[54] **PROCEDE ET PRODUIT DE TRAITEMENT POUR FIBROIDES UTERINS AU MOYEN DE COLLAGENASE PURIFIEE**
[72] LEPPERT, PHYLLIS CAROLYN, US
[72] WEGMAN, THOMAS L., US
[73] BIOSPECIFICS TECHNOLOGIES CORPORATION, US
[73] DUKE UNIVERSITY, US
[85] 2015-09-15
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[54] **DISPENSER HAVING PIERCEABLE MEMBRANE**
[54] **DISTRIBUTEUR MUNI D'UNE MEMBRANE POUVANT ETRE PERCEE**
[72] FRIESEN, BRADLEY, CA
[72] CARIUS, MARCUS, CA
[72] TRAMPOLSKI, ALEXANDER, US
[73] BOTTLECAP HOLDINGS LTD., CA
[85] 2015-10-13
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[25] EN
[54] **CONTROLLING TASKS PERFORMED BY A COMPUTING SYSTEM**
[54] **CONTROLE DE TACHES EXECUTEES PAR UN SYSTEME INFORMATIQUE**
[72] STANFILL, CRAIG W., US
[73] AB INITIO TECHNOLOGY LLC, US
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[25] EN
[54] **METHOD FOR FORMING A PIPE JOINT, PIPE JOINT AND FLANGE PART ARRANGEMENT**
[54] **PROCEDE DE FORMATION D'UN JOINT DE CONDUITE, JOINT DE CONDUITE ET AGENCEMENT DE PARTIE DE BRIDE**
[72] SUNDHOLM, GORAN, FI
[73] MARICAP OY, FI
[85] 2015-10-27
[86] 2014-04-29 (PCT/FI2014/050310)
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[54] **MODIFIED RELEASE FORMULATION**
[54] **FORMULATION A LIBERATION MODIFIEE**
[72] GALLI, BRUNO, CH
[72] THOMA, HUBERT, CH
[72] GRANDEURY, ARNAUD, CH
[72] SPICKERMANN, DIRK, CH
[72] PUTZBACH, KARSTEN, CH
[72] MOLL, KLAUS-PETER, CH
[72] UFER, MIKE, CH
[72] GLANTZMANN, JEAN-MARIE, CH
[72] MUELLER-ZSIGMONDY, MARTIN, CH
[73] NOVARTIS AG, CH
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[25] EN
[54] **APPARATUSES AND METHODS FOR SUPPLYING NATURAL GAS TO A FRAC WATER HEATER**
[54] **APPAREIL ET PROCEDES POUR FOURNIR DU GAZ NATUREL A UN CHAUFFE-EAU DE FRACTURATION**
[72] LA PORTE, CHRISTOPHER, CA
[73] 1026844 B.C. LTD., CA
[86] (2911852)
[87] (2911852)
[22] 2014-05-12
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[54] **HIGH-SOLIDS COATING COMPOSITION**
[54] **COMPOSITION D'ENROBAGE A TENEUR ELEVEE EN SOLIDES**
[72] WILLS, TREVOR MICHAEL, GB
[72] BEAUMONT, DOUG, GB
[72] RING, DAVID, GB
[72] STEIN, TOBIAS, GB
[73] AKZO NOBEL COATINGS INTERNATIONAL B.V., NL
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[25] EN
[54] **METHOD OF FORMING A CERAMIC MATRIX COMPOSITE COMPONENT WITH COOLING FEATURES**
[54] **PROCEDE DE FORMATION D'UN ELEMENT COMPOSITE A MATRICE CERAMIQUE DOTE DECARACTERISTIQUES DE REFROIDISSEMENT**
[72] TUERTSCHER, MICHAEL RAY, US
[72] NOE, MARK EUGENE, US
[72] KIRBY, GLEN HAROLD, US
[72] WALKER, SHEENA KUM FOSTER, US
[73] GENERAL ELECTRIC COMPANY, US
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[86] 2014-04-23 (PCT/US2014/035088)
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[25] EN
[54] **TEMPERATURE-STABLE, ELECTROLYTE-CONTAINING HYDROGEL AND METHOD FOR STIMULATING CRUDE OIL AND NATURAL GAS DEPOSITS**
[54] **HYDROGEL CHARGE EN ELECTROLYTES STABLE EN TEMPERATURE ET PROCEDE DE STIMULATION DE GISEMENTS DE PETROLE ET DE GAZ NATUREL**
[72] DUGONJIC-BILIC, FATIMA, DE
[72] USENER, CAROLIN, DE
[72] NEUBER, MARITA, DE
[72] PFAHLS, MARGARETHE, DE
[72] WISSEL, MARION, DE
[73] TOUGAS OILFIELD SOLUTIONS GMBH, DE
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[30] DE (10 2013 008 769.4) 2013-05-23

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[51] **Int.Cl. G05B 13/04 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM OF DYNAMIC MODEL IDENTIFICATION FOR MONITORING AND CONTROL OF DYNAMIC MACHINES WITH VARIABLE STRUCTURE OR VARIABLE OPERATION CONDITIONS**
[54] **PROCEDE ET SYSTEME D'IDENTIFICATION DE MODELE DYNAMIQUE DE SURVEILLANCE ET DE COMMANDE DE MACHINES DYNAMIQUES A STRUCTURE VARIABLE OU A CONDITIONS DE MISE EN □UVRE VARIABLES**
[72] LARIMORE, WALLACE E., US
[73] LARIMORE, WALLACE E., US
[85] 2015-11-23
[86] 2014-06-16 (PCT/US2014/042486)
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[25] EN
[54] **METHODS OF MANUFACTURING LOW DENSITY CLOTH PREFORM**
[54] **PROCEDES DE FABRICATION D'UNE PREFORME TEXTILE DE DENSITE FAIBLE**
[72] SIMPSON, ALLEN, US
[73] ADVANCED CARBON TECHNOLOGIES, LLC, US
[85] 2015-11-30
[86] 2014-05-31 (PCT/US2014/040425)
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[25] EN
[54] **CEMENTITIOUS SYSTEM COMPRISING ACCELERATOR PARTICLES COATED WITH CROSSLINKED SHELLAC**
[54] **SYSTEME A BASE DE CIMENT COMPRENANT DES PARTICULES ACCELERATRICES ENROBEES AVEC DU VERNIS A LA GOMME LAQUE RETICULE**
[72] SEIDL, WOLFGANG, DE
[72] WACHE, STEFFEN, DE
[72] STOHR, WERNER, DE
[72] ZURN, SIEGFRIED, DE
[72] RIEDMILLER, JOACHIM, DE
[72] SCHWARZ, VOLKER, DE
[73] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DE
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[86] 2014-05-21 (PCT/EP2014/060406)
[87] (WO2014/198505)
[30] EP (13171949.4) 2013-06-14

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[51] **Int.Cl. A61F 5/44 (2006.01) A61F 5/445 (2006.01)**
[25] EN
[54] **FECAL MATTER CONTAINMENT DEVICE**
[54] **DISPOSITIF DESTINE A CONTENIR DES MATIERES FECALES**
[72] PALEY, JAMES K., US
[73] HELPFUL PRODUCTS 4U, LLC, US
[85] 2015-12-08
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[30] US (61/833,968) 2013-06-12

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[51] **Int.Cl. B60Q 1/44 (2006.01)**
[25] EN
[54] **DEVICE FOR PREVENTING ACCIDENTS CAUSED BY REAR COLLISIONS AND OPERATING SYSTEM THEREOF**
[54] **DISPOSITIF POUR LA PREVENTION D'ACCIDENTS PAR COLLISION ARRIERE ET SON SYSTEME DE FONCTIONNEMENT**
[72] PINO MENDEZ, JUAN JOSE, ES
[73] PINO MENDEZ, JUAN JOSE, ES
[85] 2015-12-10
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[51] **Int.Cl. A61B 5/00 (2006.01) G06T 7/11 (2017.01) G06T 7/90 (2017.01) G06T 7/40 (2017.01)**
[25] EN
[54] **DIAGNOSTIC APPARATUS FOR LESION, IMAGE PROCESSING METHOD IN THE SAME APPARATUS, AND MEDIUM STORING PROGRAM ASSOCIATED WITH THE SAME METHOD**
[54] **DISPOSITIF DE DIAGNOSTIC POUR LESIONS, PROCEDE DE TRAITEMENT D'IMAGE DANS CE MEME DISPOSITIF ET SUPPORT DE STOCKAGE D'UN PROGRAMME ASSOCIE A CETTE MEME METHODE**
[72] HOUJOU, YOSHIHARU, JP
[72] AOKI, NOBUHIRO, JP
[72] MINEO, SHIGEKI, JP
[73] CASIO COMPUTER CO., LTD., JP
[86] (2915651)
[87] (2915651)
[22] 2015-12-18
[30] JP (2014-263717) 2014-12-26

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[54] **SKI CARRIER CLAMP**
[54] **PINCE DE PORTE-SKIS**
[72] MAGNUSSON, KARL-JOHAN, SE
[72] ADLER, JAN, SE
[72] NILVIUS, ANDERS, SE
[73] THULE SWEDEN AB, SE
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[87] (2915716)
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[25] EN
[54] **WHITENING ORAL CARE COMPOSITION COMPRISING A SELF-ASSEMBLING PEPTIDE AND MINERAL PARTICLES COMPRISING CALCIUM**
[54] **COMPOSITION DE SOIN BUCCAL BLANCHISSANTE COMPRENANT UN PEPTIDE A ARRANGEMENT SPONTANE ET PARTICULES MINERALES COMPRENANT DU CALCIUM**
[72] HUG, MICHAEL, CH
[72] LYSEK, DOMINIKUS AMADEUS, CH
[72] KUNZELMANN, KARL-HEINZ, DE
[73] CREDENTIS AG, CH
[85] 2015-12-17
[86] 2014-09-25 (PCT/EP2014/070487)
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[30] EP (13185928.2) 2013-09-25
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[51] **Int.Cl. E04D 1/12 (2006.01) B26D 7/00 (2006.01)**
[25] EN
[54] **ROOFING SHINGLE SYSTEM**
[54] **SYSTEME DE BARDEAUX DE TOITURE**
[72] GRUBKA, LAWRENCE J., US
[72] LATORRE, CARMEN A., US
[72] ELLIOTT, BERT W., US
[72] FREIDNER, CHRISTOPHER C., US
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
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[25] EN
[54] **COMPOSITIONS COMPRISING FERMENTED SEAWEED AND/OR ALGAE**
[54] **COMPOSITIONS COMPRENANT DES VARECHS ET/OU DES ALGUES FERMENTES**
[72] LEGARTH, JENS HOFFNER, DK
[73] FERMENTATIONEXPERTS A/S, DK
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[86] 2014-06-26 (PCT/DK2014/050190)
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[30] DK (PA 2013 70360) 2013-06-28

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[51] **Int.Cl. A47C 27/07 (2006.01) B68G 9/00 (2006.01)**
[25] EN
[54] **GLUELESS POCKETED SPRING UNIT CONSTRUCTION**
[54] **CONSTRUCTION D'UNITES A RESSORTS ENSACHES SANS COLLE**
[72] WOLFSON, MARTIN, US
[73] WOLFSON, MARTIN, US
[85] 2016-01-06
[86] 2014-01-18 (PCT/US2014/012147)
[87] (WO2014/113737)
[30] US (61/754,529) 2013-01-19
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[51] **Int.Cl. C12P 19/34 (2006.01) C07H 21/04 (2006.01) C12M 1/40 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **DNA AMPLIFICATION VIA SCISSOR-LIKE STRUCTURES (DASL)**
[54] **AMPLIFICATION DE L'ADN PAR LE BIAIS DE STRUCTURES EN CISAILLE (DASL)**
[72] LING, MINGFU, CA
[73] GENEBIO SYSTEMS, INC., CA
[85] 2015-12-23
[86] 2014-07-31 (PCT/IB2014/063569)
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[30] US (61/958,886) 2013-08-09

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[51] **Int.Cl. H03M 13/19 (2006.01) H03M 13/27 (2006.01)**
[25] EN
[54] **DATA PROCESSING DEVICE AND DATA PROCESSING METHOD**
[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] IKEGAYA, RYOJI, JP
[72] YAMAMOTO, MAKIKO, JP
[72] SHINOHARA, YUJI, JP
[73] SONY CORPORATION, JP
[85] 2016-01-08
[86] 2015-05-08 (PCT/JP2015/063253)
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[51] **Int.Cl. A61K 31/70 (2006.01) A61P 19/00 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND FORMULATIONS OF GLUCOSAMINE FOR TRANSDERMAL AND TRANSMUCOSAL ADMINISTRATION**
[54] **COMPOSITIONS ET FORMULATIONS DE GLUCOSAMINE POUR UNE ADMINISTRATION TRANSDERMIQUE ET TRANSMUCOSALE**
[72] CHATTERJI, ANJAN, US
[72] COOPER, GRANT, US
[72] SCHWARTZ, DAVID, US
[73] VITAL MEDICINE, LLC, US
[85] 2016-01-11
[86] 2013-07-23 (PCT/US2013/051570)
[87] (WO2014/018478)
[30] US (61/675,272) 2012-07-24
[30] US (13/797,163) 2013-03-12

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[51] **Int.Cl. C03C 3/062 (2006.01) C03C 10/00 (2006.01) C03C 13/00 (2006.01) C03C 25/42 (2006.01)**
[25] EN
[54] **INORGANIC FIBRE COMPOSITIONS**
[54] **COMPOSITIONS DE FIBRES INORGANIQUES**
[72] WAINWRIGHT, RONALD, GB
[72] JUBB, GARY ANTHONY, GB
[72] FADIORA, FONTAINE, GB
[73] MORGAN ADVANCED MATERIALS PLC., GB
[85] 2016-01-11
[86] 2014-06-23 (PCT/GB2014/051912)
[87] (WO2015/011439)
[30] GB (1313023.2) 2013-07-22
[30] GB (1401006.0) 2014-01-21

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[13] C
[51] **Int.Cl. G10L 19/008 (2013.01) G10L 19/18 (2013.01)**
[25] EN
[54] **AUDIO DECODER, AUDIO ENCODER, METHOD FOR PROVIDING AT LEAST FOUR AUDIO CHANNEL SIGNALS ON THE BASIS OF AN ENCODED REPRESENTATION, METHOD FOR PROVIDING AN ENCODED REPRESENTATION ON THE BASIS OF AT LEAST FOUR AUDIO CHANNEL SIGNALS AND COMPUTER PROGRAM USING A BANDWIDTH EXTENSION**
[54] **DECODEUR AUDIO, CODEUR AUDIO, PROCEDE POUR DELIVRER AU MOINS QUATRE SIGNAUX DE CANAL AUDIO SUR LA BASE D'UNE REPRESENTATION CODEE, PROCEDE POUR DELIVRER UNE REPRESENTATION CODEE S UR LA BASE D'AU MOINS QUATRE SIGNAUX DE CANAL AUDIO ET PROGRAMME INFORMATIQUE EMPLOYANT UNE EXTENSION DE LA LARGEUR DE BANDE**
[72] DICK, SASCHA, DE
[72] ERTEL, CHRISTIAN, DE
[72] HELMRICH, CHRISTIAN, DE
[72] HILPERT, JOHANNES, DE
[72] HOLZER, ANDREAS, DE
[72] KUNTZ, ACHIM, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2016-01-14
[86] 2014-07-14 (PCT/EP2014/065021)
[87] (WO2015/010934)
[30] EP (13177376.4) 2013-07-22
[30] EP (13189306.7) 2013-10-18

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[13] C
[51] **Int.Cl. F26B 15/18 (2006.01)**
[25] EN
[54] **UNIT FOR FEEDING PASTY PRODUCTS ONTO A BELT**
[54] **MODULE D'APPROVISIONNEMENT DE PRODUITS PATEUX SUR UNE COURROIE**
[72] BALDAUF, HEINZ, DE
[72] KROEHL, PAUL, DE
[73] ANDRITZ TECHNOLOGY AND ASSET MANAGEMENT GMBH, AT
[86] (2918792)
[87] (2918792)
[22] 2016-01-25
[30] AT (A 50073/2015) 2015-01-30

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[13] C
[51] **Int.Cl. C09K 8/03 (2006.01) C09K 8/516 (2006.01) C09K 8/536 (2006.01)**
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[54] **ENCAPSULATED INTERNAL FILTER CAKE BREAKERS WITH IMPROVED RELEASE PROPERTIES**
[54] **AGENTS DE BROYAGE DE GATEAUX DE FILTRATION INTERNES ENCAPSULES AYANT DES PROPRIETES DE LIBERATION AMELIOREES**
[72] LIU, CHUN, US
[72] MOHLER, CAROL ELAINE, US
[72] TYSAK, THEODORE, US
[72] MERCANDO, PAUL, US
[72] ENDER, KACEE B., US
[72] JAIN, DISHA, US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[73] ROHM AND HAAS COMPANY, US
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[54] **A CONTAINER**
[54] **RECIPIENT**
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[72] FORD, MICHAEL, AU
[72] MORRISON, LYNNE, AU
[72] BRENNAN, JAMES, AU
[72] MAY, STUART, AU
[72] CORMACK, MATTHEW, AU
[73] MARS INCORPORATED, US
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[54] **PROTHESE DE VALVULE CARDIAQUE AVEC ELEMENT DE LIAISON ET PROCEDES D'IMPLANTATION ASSOCIE**
[72] HELDMAN, ALAN, US
[73] HELDMAN, ALAN, US
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[54] **PORTABLE ROBOTIC CASTING OF VOLUMETRIC MODULAR BUILDING COMPONENTS**
[54] **COULEE ROBOTISEE PORTATIVE D'ELEMENTS DE CONSTRUCTION MODULAIRES VOLUMETRIQUES**
[72] MCCAFFREY, RICHARD J., US
[73] MCCAFFREY, RICHARD J., US
[85] 2016-01-25
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[54] **BURNER, REACTOR AND PROCESS FOR GASIFICATION OF A HYDROCARBON FEED**
[54] **BRULEUR, REACTEUR ET PROCEDE DE GAZEIFICATION D'UNE CHARGE D'HYDROCARBURE**
[72] DISSELHORST, JOHANNES HERMANUS MARIA, NL
[72] DE JONG, JOHANNES CORNELIS, NL
[72] GAO, CHENGMING, NL
[72] SCHOUWENAAR, ROBERT, NL
[73] AIR PRODUCTS AND CHEMICALS, INC., US
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[54] **TRANSMITTER WITH IMPROVED SENSITIVITY AND SHIELDING**
[54] **EMETTEUR AVEC UNE SENSIBILITE ET UN BLINDAGE AMELIORES**
[72] PARKINS, JOHN W., US
[73] RED TAIL HAWK CORPORATION, US
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[54] **JOINT DE BOYAU SANITAIRE AJUSTABLE**
[72] BOYANICH, JOHN ROBERT, US
[73] DAIRY INDUSTRY A CORPORATION D/B/A KEY INDUSTRIAL, US
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[25] EN
[54] **SYSTEMS AND METHODS OF DEVICE AUTHENTICATION INCLUDING FEATURES OF CIRCUIT TESTING AND VERIFICATION IN CONNECTION WITH KNOWN BOARD INFORMATION**
[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION DE DISPOSITIF COMPRENANT DES FONCTIONS D'ESSAI ET DE VERIFICATION DE CIRCUIT EN RAPPORT AVEC DES INFORMATIONS DE CARTE CONNUES**
[72] LA FEVER, GEORGE BERNARD, US
[72] FLAUM, ISER B., US
[73] ELECTRONIC WARFARE ASSOCIATES, INC., US
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[54] **COMPOUND-RESONANCE DRIVER (CRD) BASS ENHANCEMENT SYSTEM**
[54] **SYSTEME D'AMELIORATION DES BASSES DE MOTEUR DE RESONANCE DE COMPOSE (CRD)**
[72] MILLENDER, SAMUEL EARL, JR., US
[73] MILLENDER, SAMUEL EARL, JR., US
[85] 2016-02-08
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[25] EN
[54] **INHIBITORS OF PLASMA KALLIKREIN**
[54] **INHIBITEURS DE LA KALLICREINE PLASMATIQUE**
[72] EDWARDS, HANNAH JOY, GB
[72] EVANS, DAVID MICHAEL, GB
[72] MEGHANI, PREMJI, GB
[72] NOVAK, ANDREW RICHARD, GB
[73] KALVISTA PHARMACEUTICALS LIMITED, GB
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[54] **SEAL ASSEMBLY FOR TRACK PIN JOINT ASSEMBLY OF UNDERCARRIAGE**
[54] **ENSEMBLE DE JOINT POUR ENSEMBLE DE RACCORD DE BROCHE DE CHENILLE DE TRAIN DE ROULEMENT**
[72] LIANG, GUANGHUI, US
[72] DIEKEVERS, MARK S., US
[72] KIESEL, MARK, US
[72] ANTOINE, DARREN B., US
[72] AKINLUA, TEMITOPE O., US
[72] KING, TRAVIS, US
[73] CATERPILLAR INC., US
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[54] **TRACK JOINT ASSEMBLIES**
[54] **ENSEMBLES D'ARTICULATION DE CHENILLE**
[72] KAUFMANN, GREGORY J., US
[72] THORSON, TIMOTHY A., US
[72] STEINER, KEVIN L., US
[72] BREWER, CAROLINE M., US
[72] DIEKEVERS, MARK S., US
[72] AKINLUA, TEMITOPE O., US
[72] XAVIER, MARTIN T. J., IN
[73] CATERPILLAR INC., US
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[54] **GEL DE SILICONE A EMISSION REDUITE DE GAZ POLLUANTS**
[72] STEINMANN, ANDREAS, DE
[73] ELANTAS GMBH, DE
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[54] **WELL OPERATIONS**
[54] **OPERATIONS DESTINEES A UN PUITS**
[72] LESKO, TIMOTHY, US
[72] RAMAKRISHNAN, HARIHARAN, US
[72] POTAPENKO, DMITRIY, US
[72] RAMSEY, LELAND, US
[73] SCHLUMBERGER CANADA LIMITED, CA
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[25] EN
[54] **SELECTIVE DELIVERY OF MATERIAL TO CELLS**
[54] **ADMINISTRATION SELECTIVE DE MATERIAU A DES CELLULES**
[72] SHAREI, ARMON R., US
[72] ADALSTEINSSON, VIKTOR A., US
[72] CHO, NAHYUN, US
[72] LANGER, ROBERT S., US
[72] LOVE, J. CHRISTOPHER, US
[72] JENSEN, KLAVS F., US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2016-02-16
[86] 2014-08-15 (PCT/US2014/051343)
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[25] EN
[54] **PEPTIDE-OLIGOUREA CHIMERIC COMPOUNDS AND METHODS OF THEIR USE**
[54] **COMPOSES CHIMERIQUES DE PEPTIDE-OLIGOUREE ET LEURS PROCEDES D'UTILISATION**
[72] ZIMMER, ROBERT H., FR
[72] GUICHARD, GILLES, FR
[72] FREMAUX, JULIETTE, FR
[73] UREKA SARL, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
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[54] **APPARATUS FOR BOARD SPORTS**
[54] **APPAREIL POUR SPORTS DE GLISSE**
[72] MURPHY, JAMES MICHAEL, AU
[73] BAJABOARD INTERNATIONAL PTY LTD, AU
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[54] **ANTIGEN DELIVERY DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'ADMINISTRATION D'ANTIGENE**
[72] HOGSET, ANDERS, NO
[72] WALDAY, PER EDVARD, NO
[72] EIVINDVIK, KRISTIN, NO
[73] PCI BIOTECH AS, NO
[85] 2016-02-26
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[54] **CATHETER INSERTION TRAY WITH INTEGRATED INSTRUCTIONS**
[54] **PLATEAU D'INTRODUCTION DE CATHETER AYANT DES INSTRUCTIONS INTEGREES**
[72] ICENOGLE, DAVID, US
[72] PRIVITERA, SALVATORE, US
[72] SILVER, ADAM, US
[72] GLITHERO, JASON I., US
[72] HANSON, ROBIN J., US
[72] CURRY, PETER, US
[72] ROBIRDS, SCOTT, US
[72] CHEN, FUNGBOR, US
[72] POWERS, GRACE, US
[72] HODGES, STACEY, US
[72] RIESCHER, RUSSELL, US
[72] MERRILL, MICHELLE, US
[72] MANN, GREGORY, US
[72] JOHNSON, JOHNATHAN, US
[72] SKELTON, SARAH, US
[73] C.R. BARD, INC., US
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[86] 2014-10-16 (PCT/US2014/060963)
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[54] **TOUCH SENSOR DETECTOR SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE DETECTION A CAPTEUR TACTILE**
[72] ROSENBERG, ILYA DANIEL, US
[72] ZARRAGA, JOHN AARON, US
[73] SENSEL, INC., US
[85] 2016-03-29
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[87] (WO2015/048583)
[30] US (61/883,597) 2013-09-27
[30] US (61/928,269) 2014-01-16
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[54] **RESISTIVE TOUCH SENSOR SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CAPTEURS TACTILES RESISTIFS**
[72] ROSENBERG, ILYA DANIEL, US
[72] ZARRAGA, JOHN AARON, US
[73] SENSEL, INC., US
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[54] **FIBROUS STRUCTURE WITH GROUPING OF FLOATS**
[54] **STRUCTURE FIBREUSE AVEC REGROUPEMENT DES FLOTTES**
[72] GIMAT, MATTHIEU, FR
[72] MARCHAL, YANN, FR
[72] COUPE, DOMINIQUE, FR
[73] SNECMA, FR
[73] SAFRAN, FR
[85] 2016-03-30
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[30] FR (1359476) 2013-10-01

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[54] **DIALYSIS MONITORS AND METHODS OF OPERATION**
[54] **MONITEURS DE DIALYSE ET PROCEDES DE FONCTIONNEMENT**
[72] HERTZ, THOMAS, SE
[72] HOBRO, STURE, SE
[72] JONSSON, LENNART, SE
[73] GAMBRO LUNDIA AB, SE
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[54] **NETWORK TOKEN SYSTEM**
[54] **SYSTEME DE JETONS EN RESEAU**
[72] POWELL, GLENN LEON, US
[72] SHEETS, JOHN F., US
[72] RUTHERFORD, BRUCE, US
[72] WILLIAMSON, GREGORY, US
[72] ANDERSON, JAMES, US
[73] VISA INTERNATIONAL SERVICE ASSOCIATION, US
[73] MASTERCARD INTERNATIONAL INCORPORATED, US
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[54] **PARENT RADIONUCLIDE CONTAINER**
[54] **CONTENEUR POUR RADIONUCLEIDE PARENT**
[72] ISENSEE, GLENN H., US
[73] NORTHSTAR MEDICAL RADIOISOTOPES LLC, US
[85] 2016-04-13
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[54] **COMPOSITIONS AND METHODS FOR MODULATING FARNESOID X RECEPTORS**
[54] **COMPOSITIONS ET PROCEDES POUR MODULER DES RECEPTEURS FARNESOIDE X**
[72] CHIANELLI, DONATELLA, US
[72] LIU, XIAODONG, US
[72] MOLTENI, VALENTINA, US
[72] NELSON, JOHN, US
[72] ROLAND, JASON, US
[72] RUCKER, PAUL, US
[72] TULLY, DAVID, US
[73] NOVARTIS AG, CH
[85] 2016-04-14
[86] 2014-11-04 (PCT/US2014/063948)
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[25] EN
[54] **COMPOSITION FOR USE IN THE TREATMENT OF COUGH**
[54] **COMPOSITION A UTILISER DANS LE TRAITEMENT DE LA TOUX**
[72] MERCATI, VALENTINO, IT
[72] MAIDECCHI, ANNA, IT
[73] ABOCA S.P.A. SOCIETA' AGRICOLA, IT
[85] 2016-04-22
[86] 2014-10-27 (PCT/IB2014/065643)
[87] (WO2015/059683)
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[13] C
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[25] EN
[54] **ANTI-MOSQUITO NET SYSTEM FOR FIXED AND ARTICULATED LOWER GUIDE**
[54] **SYSTEME DE MOUSTIQUAIRE POUR GUIDE INFERIEUR FIXE ET ARTICULE**
[72] PAPADOPOULOS, ARGYRIOS, GR
[73] IDECO INDUSTRIAL S.A., GR
[85] 2016-05-05
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[54] **PROPPANTS WITH IMPROVED DUST CONTROL**
[54] **AGENTS DE SOUTENEMENT PRESENTANT UN POUVOIR DE DEPOUSSIERAGE RENFORCE**
[72] HOOK, BRUCE D., US
[72] MARTINS, PAULO, BR
[72] MEDINA, JUAN CARLOS, US
[72] SANTOS, DANIELE, BR
[72] TYSAK, THEODORE, US
[72] CYNECKI, WILLIAM A., US
[72] KEENAN, ANDREA C., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[73] ROHM AND HAAS COMPANY, US
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[25] EN
[54] **SUPPORT OF BASE LAYER OF A DIFFERENT CODEC IN MULTI-LAYER VIDEO CODING**
[54] **PRISE EN CHARGE D'UNE COUCHE DE BASE D'UN CODEC DIFFERENT DANS LE CODAGE VIDEO MULTICOUCHE**
[72] WANG, YE-KUI, US
[72] CHEN, JIANLE, US
[72] CHEN, YING, US
[72] HENDRY, FNU, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-05-10
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[30] US (61/923,529) 2014-01-03
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[54] **DISPOSITIF DE RECEPTION, PROCEDE DE RECEPTION, DISPOSITIF DE TRANSMISSION, ET PROCEDE DE TRANSMISSION**
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[73] SONY CORPORATION, JP
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[73] MAURER SOHNE ENGINEERING GMBH & CO. KG, DE
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[72] PADDOCK, ANDREW, GB
[72] GREENWOOD, PAUL, GB
[73] SAFRAN LANDING SYSTEMS UK LIMITED, GB
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[72] CINESI, MATTEO, IT
[73] I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A., IT
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[54] **PROCEDE DE DESHYDRATATION D'UN MELANGE CONTENANT DE L'ETHANOL ET DU N-PROPANOL**
[72] ARIBERT, NICOLAS, FR
[72] BRANDHORST, LAURE, FR
[72] COUPARD, VINCENT, FR
[72] MAURY, SYLVIE, FR
[72] VIVIEN, TOM, FR
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[72] WEILAND, THOMAS J., US
[72] NICHOLSON, LORRAINE A., US
[72] JAY, JON R., US
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[72] CUNEO, JOHN, US
[72] FORTIN, MICHAEL J., US
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[73] AB INITIO TECHNOLOGY LLC, US
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[54] **LOGEMENT DE COMPRESSEUR DE TURBO AXIAL**
[72] CORTEQUISSE, JEAN-FRANCOIS, BE
[73] SAFRAN AERO BOOSTERS SA, BE
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[54] **COMPOSITION RENFERMANT DES FRACTIONS DE PARAFFINE OBTENUES A PARTIR DE MATIERES PREMIERES BIOLOGIQUES ET SON PROCEDE DE PREPARATION**
[72] AALTO, PEKKA, FI
[72] SANDBERG, KATI, FI
[72] NYMAN, TOMI, FI
[72] HAKOLA, MAIJA, FI
[73] NESTE OYJ, FI
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[72] KITAJIMA, TOMOYUKI, JP
[72] HISHINUMA, KEITO, JP
[73] KURARAY CO., LTD., JP
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[54] **POLYMERES DE POLYACRYLONITRILE (PAN) PRESENTANT UN FAIBLE INDICE DE POLYDISPERSITE (IPD) ET FIBRES DE CARBONE PRODUITES A PARTIR DE CEUX-CI**
[72] TANG, LONGGUI, US
[72] THOMAS, ALAN D., US
[72] HARMON, BILLY D., US
[73] CYTEC INDUSTRIES INC., US
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[73] SHIBUYA CORPORATION, JP
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[54] **COMMUTATEUR DE COUPS D'ARC A BASSE TENSION**
[72] SHEA, JOHN J., US
[72] CARRODUS, JASON B., US
[72] JUDS, MARK A., US
[72] RUEMPLER, CHRISTIAN, US
[73] EATON INTELLIGENT POWER LIMITED, IE
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[54] **CIRCUIT ELECTRONIQUE ET SYSTEME DE DETECTION D'ECLAIR D'ARC A BASSE TENSION COMPRENANT UN DECLENCHEUR ELECTROMAGNETIQUE**
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[72] JUDS, MARK A., US
[72] RUEMPLER, CHRISTIAN, US
[73] EATON INTELLIGENT POWER LIMITED, IE
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[54] **COMPOSITIONS AND METHODS OF USE COMPRISING THE BIOCONTROL AGENT DEPOSITED AS NRRL N0. B-50897**
[54] **COMPOSITIONS ET METHODES D'UTILISATION RENFERMANT L'AGENT DE BIOCONTROLE DEPOSE COMME NRRL NO B-50897**
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[72] KOZIEL, MICHAEL G., US
[72] UKNES, SCOTT JOSEPH, US
[72] SHEKITA, AMY ELIZABETH, US
[72] HAMMER, PHILIP E., US
[73] AGBIOME, INC., US
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[54] **TROUSSES ET PROCEDES POUR REPROGRAMMER DES CELLULES NON HEPATOCYTES EN CELLULES HEPATOCYTES**
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[72] DU, YUANYUAN, CN
[72] SHI, YAN, CN
[72] JIA, JUN, CN
[72] WANG, JINLIN, CN
[72] XIANG, CHENGANG, CN
[72] SONG, NAN, CN
[72] XU, JUN, CN
[72] YIN, MING, CN
[73] PEKING UNIVERSITY, CN
[73] BEIJING VITALSTAR BIOTECHNOLOGY CO., LTD., CN
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[72] SEO, MASAHIRO, JP
[72] SAKURAMOTO, HIROSHI, JP
[72] KONISHI, YOSHIHISA, JP
[72] ISHIDA, TETSUHISA, JP
[72] YAGYU, MOTOHIRO, JP
[73] QUALICAPS CO., LTD., JP
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[54] **ENSEMBLE ONDULEUR A CALODUC ISOLE DE COLONNE D'ALIMENTATION**
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[72] GIBBS, IRVING A., US
[72] JOHNSON, WESLEY B., US
[72] MURRAY, PAUL T., US
[72] SCHUENEMAN, RON C., US
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[72] VAN DER PLOEG, LEONARDUS, US
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[72] COOPER, WAYNE, US
[72] LEWIS, DENNIS M., US
[73] THE BOEING COMPANY, US
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[54] **PROCEDES ET COMPOSITIONS LIPIDIQUES POUR FAVORISER LE DEVELOPPEMENT DE LA FLORE INTESTINALE**
[72] BAR-YOSEPH, FABIANA, IL
[72] MANOR, YONATAN, IL
[72] COHEN, TZAFRA, IL
[72] GOREN, AMIT, IL
[72] LIFSHITZ, YAEL, IL
[73] ENZYMOTEC LTD., IL
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[72] BACON, ANDREW, GB
[73] BACON, ANDREW, GB
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[72] LARCHER, JEAN-ERIC, FR
[72] ILTCHEV, THEODORE, FR
[73] ATELIERS BUSCH SA, CH
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[54] **OPTIMISATION DE LA ROBUSTESSE DE MOBILITE DANS UN RESEAU CELLULAIRE**
[72] DUDDA, TORSTEN, DE
[72] CENTONZA, ANGELO, GB
[72] YAVUZ, EMRE, SE
[72] FOLKE, MATS, SE
[72] WAGER, STEFAN, FI
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[54] **INHALATEUR DOSE COMPORTANT UN MECANISME D'ADMINISTRATION ACTIONNE PAR LESOUFFLE**
[72] PIETERS, FRANK, BE
[72] RAO, XERXES, IN
[73] CIPLA (EU) LIMITED, GB
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[54] **PROCEDES POUR LA FABRICATION DE PRODUITS EN ACIER PLAQUE**
[72] CACACE, ANTONINO, GB
[73] CLADINOX INTERNATIONAL LIMITED, SC
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[54] **TRAITEMENT D'UNE MALADIE AUTO-IMMUNE**
[72] NIESMAN, MICHAEL, US
[72] ZHANG, KAI, US
[73] MINGSIGHT PHARMACEUTICALS, INC., US
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[54] **PROCEDE DE DEFENSE ET DE REFUS**
[72] BUTLER, CHARLES LANKFORD, JR., US
[72] SMITH, SAMUEL MCARTHUR, US
[72] KIMBALL, VONTELLA KAY, US
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[54] **OPTICAL MONITORING SYSTEM AND METHOD FOR IMAGING A COMPONENT UNDER TEST**
[54] **SYSTEME DE SURVEILLANCE OPTIQUE ET METHODE D'IMAGERIE D'UN COMPOSANT EN COURS D'ESSAI**
[72] GROSSNICKLE, JAMES A., US
[72] MCCRARY, KEVIN EARL, US
[72] MOSEN, GREGORY R., US
[73] THE BOEING COMPANY, US
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[54] **PROCESS FOR THE EPOXIDATION OF AN OLEFIN**
[54] **PROCEDE POUR L'EPOXYDATION D'UNE OLEFINE**
[72] STOCHNIOL, GUIDO, DE
[72] WOLL, WOLFGANG, DE
[72] SCHMIDT, FRANZ, DE
[73] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, DE
[73] EVONIK OPERATIONS GMBH, DE
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[54] **BELT TENSIONING DEVICE FOR A HOLLOW BLIND**
[54] **DISPOSITIF DE TENSION DE COURROIE DE STORE CREUX**
[72] ZHANG, XUEZHONG, CN
[73] ZHANG, XUEZHONG, CN
[73] INTIGRAL, INC., US
[85] 2017-01-23
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[54] **HEATING OF HYDRAULIC DIGESTERS**
[54] **CHAUFFAGE DE DIGESTEURS HYDRAULIQUES**
[72] KETTUNEN, AUVO, FI
[72] HEINAMAKI, PASI, FI
[72] PELTONEN, KARI, FI
[72] RAMARK, HANNU, FI
[73] ANDRITZ OY, FI
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[54] **MUNICIPAL MIXING WITH RECIPROCATING MOTION DISK**
[54] **MELANGEUR D'EAU MUNICIPALE A DISQUE A MOUVEMENT ALTERNATIF**
[72] GOLDHARDT, JAMES, US
[72] CHRISTIANSEN, HAYDON, US
[73] OVIVO INC., CA
[86] (2959917)
[87] (2959917)
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[25] EN
[54] **SYSTEMS AND PROCESSES FOR CONVERSION OF ETHYLENE FEEDSTOCKS TO HYDROCARBON FUELS**
[54] **SYSTEMES ET PROCEDES DE CONVERSION DE MATIERES PREMIERES A BASE D'ETHYLENE EN CARBURANTS HYDROCARBONES**
[72] LILGA, MICHAEL, US
[72] HALLEN, RICHARD, US
[72] ALBRECHT, KARL, US
[72] COOPER, ALAN, US
[72] FRYE, JOHN, US
[72] RAMASAMY, KARTHIKEYAN KALLUPALAYAM, US
[73] BATTELLE MEMORIAL INSTITUTE, US
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[54] **EXTENDED DIVIDERS**
[54] **INTERCALAIRES ETENDUS**
[72] SATO, JAY K., US
[72] VENKATASANTHANAM, SRIRAM, US
[73] CCL LABEL, INC., US
[85] 2017-04-12
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[54] **HOMODIMERS OF COVALENTLY-LINKED MONOMER PEPTIDES FOR USE IN THE TREATMENT OF HYPERINSULINAEMIA, HYPERGLUCAGONAEMIA, GLUCOSE INTOLERANCE AND/OR INSULIN RESISTANCE, OR DIABETES**
[54] **HOMODIMERES DE PEPTIDES MONOMERES LIES PAR DES LIAISONS COVALENTES DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE L'HYPERINSULINISME, DE L'HYPERGLUCAGONEMIE, DE L'INTOLERANCE AU GLUCOSE ET/OU DE L'INSULINORESISTANCE, OU DU DIABETE**
[72] ROGERS, ARPI, GB
[73] ROGERS, ARPI, GB
[85] 2017-05-10
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[25] EN
[54] **HOT MELT ADHESIVE COMPOSITION FOR BONDING PACKS OF PLASTIC CONTAINERS**
[54] **COMPOSITION ADHESIVE THERMOFUSIBLE SERVANT A RELIER DES PAQUETS DE RECIPIENTS EN PLASTIQUE**
[72] JUERS, STEFAN, DE
[72] AXER, VERA, DE
[72] HOLTIN, ULRICH, DE
[73] H.B. FULLER COMPANY, US
[85] 2017-05-12
[86] 2015-12-17 (PCT/US2015/066479)
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[54] **MULTI-STAGE FLUIDIZED-BED FLOTATION SEPARATOR**
[54] **SEPARATEUR PAR FLOTTATION POUR LIT FLUIDISE A ETAGES MULTIPLES**
[72] MANKOSA, MICHAEL J., US
[72] KOHMUENCH, JAISEN N., US
[72] YAN, ERIC S., US
[73] ERIEZ MANUFACTURING CO., US
[85] 2017-06-12
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[51] **Int.Cl. A61K 33/26 (2006.01) A61P 1/00 (2006.01) A61P 3/12 (2006.01)**
[25] EN
[54] **MEDICINAL PRODUCT BASED ON MAGHEMITE FOR THE SIMULTANEOUS REDUCTION OF GASTROINTESTINAL SODIUM RESORPTION AND PHOSPHATE RESORPTION**
[54] **PRODUIT MEDICINAL A BASE DE MAGHEMITE DESTINE A LA REDUCTION SIMULTANEE DE LA RESORPTION DU SODIUM ET DE LA RESORPTION DU PHOSPHATE DANS L'INTESTIN**
[72] WAGNER, SUSANNE, DE
[72] TAUPITZ, MATTHIAS, DE
[72] SCHNORR, JORG, DE
[72] EBER, MONIKA, DE
[72] STOLZENBURG, NICOLA, DE
[72] GLASER, JANNA, DE
[72] KRATZ, HARALD, DE
[72] HAUPTMANN, RALF, DE
[72] BREINL, JANNI, DE
[72] ARIZA DE SCHELLENBERGER, ANGELA, DE
[72] GEMEINHARDT, INES, DE
[73] CHARITE-UNIVERSITATSMEDIZIN BERLIN, DE
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[54] **SHUTTER SLAT**
[54] **LAME DE VOLET**
[72] PETERSON, BRIAN, US
[72] MILLER, JAMES V., US
[73] QUALITAS MANUFACTURING INCORPORATED, US
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[54] **SYNERGISTIC GRANULAR HERBICIDAL COMPOSITIONS**
[54] **COMPOSITIONS HERBICIDES GRANULAIRES SYNERGIQUES**
[72] LEATHERWOOD, WILLIAM ROLAND, US
[72] COHEN, ARIANA, US
[72] SCHACKOW, REBECCA, US
[73] EVERRIS INTERNATIONAL B.V., NL
[85] 2017-07-19
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[25] EN
[54] **DUAL TURN THRUST REVERSER CASCADE SYSTEMS AND METHODS**
[54] **MECANISMES DE CASCADE D'INVERSEUR DE POUSSEE DOUBLE TOUR ET METHODES**
[72] CHUCK, CHEN, US
[72] VANDEMARK, ZACHARIAH B., US
[73] THE BOEING COMPANY, US
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[87] (2975133)
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[25] EN
[54] **SINGLE-PASS INKJET PRINTER**
[54] **IMPRIMANTE A JET D'ENCRE MONOPASSE**
[72] SCHNEPP, MARTIN, DE
[73] PADALUMA INK-JET-SOLUTIONS GMBH & CO. KG, DE
[85] 2017-07-31
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[51] **Int.Cl. B64C 13/40 (2006.01) B64D 45/00 (2006.01)**
[25] EN
[54] **AIRCRAFT WING FLAP SKEW DETECTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE DETECTION DE CHANGEMENT D'AXE D'UN VOLET HYPERSUSTENTATEUR D'AERONEF**
[72] JONES, KELLY THOMAS, US
[73] THE BOEING COMPANY, US
[86] (2976572)
[87] (2976572)
[22] 2017-08-15
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[51] **Int.Cl. C12N 5/077 (2010.01) C12N 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR SERUM-FREE CULTURE OF CHONDROCYTES AND SERUM-FREE CULTURE MEDIUM**
[54] **PROCEDE DE CULTURE, EXEMPT DE SERUM, DE CELLULES DE CARTILAGE ET MILIEU DE CULTURE EXEMPT DE SERUM**
[72] YANAGA, HIROKO, JP
[72] YANAGA, KATSU, JP
[73] REGENESIS SCIENCE CO., LTD., JP
[85] 2017-08-21
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[51] **Int.Cl. A61B 17/04 (2006.01) A61F 2/24 (2006.01)**
[25] EN
[54] **SUTURE SECUREMENT DEVICES**
[54] **DISPOSITIFS DE FIXATION DE SUTURE**
[72] MIRAKI, MANOUCHEHR A., US
[72] CAO, HENGCHU, US
[72] SCHNEIDER, RALPH, US
[73] EDWARDS LIFESCIENCES CORPORATION, US
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[86] 2016-03-15 (PCT/US2016/022495)
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[30] US (62/133,810) 2015-03-16
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[51] **Int.Cl. F04C 2/10 (2006.01) F04C 2/107 (2006.01) F04C 11/00 (2006.01) F04C 15/00 (2006.01)**
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[54] **EQUAL-WALLED GEROTOR PUMP FOR WELLBORE APPLICATIONS**
[54] **POMPE TYPE GEROTOR A PAROI EGALE POUR DES APPLICATIONS DE FORAGE**
[72] MELO, RAFAEL ADOLFO LASTRA, SA
[72] XIAO, JINJIANG, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2017-09-13
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[51] **Int.Cl. A01G 31/02 (2006.01)**
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[54] **WHOLE PLANT GAS EXCHANGE CHAMBER USING PRESSURIZATION AND VENTILATION OF SEPARATED CANOPY AND ROOT ZONES**
[54] **CHAMBRE D'ECHANGE DE GAZ DE PLANTE ENTIERE EMPLOYANT LA MISE SOUS PRESSION ET LA VENTILATION DE ZONES SEPAREES DE COUVERTURE ET DE RACINE**
[72] PAULS, ROBERT B., CA
[72] THEROUX, MARC A. J., CA
[72] FRIESEN, PATRICK C., CA
[72] SUGDEN, RONALD R., CA
[72] KETTNER, BRUCE, CA
[73] BIOCHAMBERS INCORPORATED, CA
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[25] EN
[54] **CONSTANT CURRENT FAST CHARGING OF ELECTRIC VEHICLES VIA DC GRID USING DUAL INVERTER DRIVE**
[54] **CHARGE RAPIDE A COURANT CONSTANT DE VEHICULES ELECTRIQUES AU MOYEN D'UN RESEAU CC EMPLOYANT UN ENTRAINEMENT D'ONDULEUR DOUBLE**
[72] LEHN, PETER WALDEMAR, CA
[72] SHI, RUOYUN, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[73] HAVELAAR CANADA INDUSTRIAL R & D LABORATORY LTD., CA
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[30] US (62/519,946) 2017-06-15

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[51] **Int.Cl. B65D 83/20 (2006.01) B65D 83/22 (2006.01)**
[25] FR
[54] **DISPENSING HEAD FOR AEROSOL CONTAINER PROVIDED WITH BLOCKING MEANS**
[54] **TETE DE DISTRIBUTION POUR RECIPIENT AEROSOL MUNIE DE MOYENS DE BLOCAGE**
[72] BODET, HERVE, FR
[72] PELTIER, JEROME, FR
[73] LINDAL FRANCE SAS, FR
[85] 2017-10-19
[86] 2016-04-22 (PCT/EP2016/059100)
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[25] EN
[54] **WOUND PACKING MATERIAL COMPRISING CHEMOEFFECTOR**
[54] **MATERIAU A APPLIQUER SUR DES PLAIES COMPRENANT UN CHIMIOEFFECTEUR**
[72] KUBEK, EDWARD W., US
[73] CHEMOKIND, INC., US
[85] 2017-10-24
[86] 2016-04-25 (PCT/US2016/029217)
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[30] US (62/152,871) 2015-04-25
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[25] EN
[54] **OPTICAL FIBER RIBBON, OPTICAL FIBER CABLE, AND OPTICAL FIBER**
[54] **RUBAN DE FIBRES OPTIQUES, CABLE DE FIBRES OPTIQUES ET FIL DE FIBRES OPTIQUES**
[72] ISAJI, MIZUKI, JP
[72] OSATO, KEN, JP
[72] OKADA, NAOKI, JP
[73] FUJIKURA LTD., JP
[85] 2017-10-26
[86] 2016-03-09 (PCT/JP2016/057332)
[87] (WO2016/208228)
[30] JP (2015-124708) 2015-06-22

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[51] **Int.Cl. H04W 72/12 (2009.01)**
[25] EN
[54] **SYSTEM INFORMATION FOR ENHANCED MACHINE TYPE COMMUNICATION**
[54] **INFORMATION DE SYSTEME POUR UNE COMMUNICATION ENTRE MACHINES AMELIOREE**
[72] RICO ALVARINO, ALBERTO, US
[72] CHEN, WANSHI, US
[72] XU, HAO, US
[73] QUALCOMM INCORPORATED, US
[85] 2017-10-30
[86] 2016-06-13 (PCT/US2016/037212)
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[30] US (62/180,463) 2015-06-16
[30] US (15/178,253) 2016-06-09

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[51] **Int.Cl. G01V 1/40 (2006.01) E21B 47/00 (2012.01) E21B 49/00 (2006.01) G01V 1/50 (2006.01)**
[25] EN
[54] **ACOUSTIC ANISOTROPY USING STATISTICAL ANALYSIS**
[54] **DETERMINATION D'ANISOTROPIE ACOUSTIQUE A L'AIDE D'UNE ANALYSE STATISTIQUE**
[72] KORTAM, TAHER A., US
[72] TRACADAS, PHILIP W., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-11-02
[86] 2015-06-22 (PCT/US2015/036947)
[87] (WO2016/209201)

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[51] **Int.Cl. G06F 16/903 (2019.01) G06F 16/9038 (2019.01)**
[25] EN
[54] **A DATA PROCESSING SYSTEM FOR CURATING SEARCH RESULT FACETS**
[54] **SYSTEME DE TRAITEMENT DE DONNEES POUR L'ORGANISATION DE FACETTES DE RESULTAT DE RECHERCHE**
[72] CONSTANDT, HANS, BE
[73] ONTOFORCE NV, BE
[85] 2017-11-06
[86] 2016-05-19 (PCT/EP2016/061298)
[87] (WO2016/188861)
[30] EP (15169134.2) 2015-05-26

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[25] EN
[54] **MEDICAL, IN PARTICULAR DENTAL, DEVICE FOR DETERMINING THE QUALITY OF A BONE**
[54] **DISPOSITIF MEDICAL, EN PARTICULIER DENTAIRE, POUR DETERMINER LA QUALITE D'UN OS**
[72] PLOY, GERNOT, AT
[72] BRUGGER, DR., WILHELM, AT
[73] W & H DENTALWERK BURMOOS GMBH, AT
[85] 2017-12-14
[86] 2016-07-15 (PCT/EP2016/066846)
[87] (WO2017/012998)
[30] EP (15177428.8) 2015-07-20

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[51] **Int.Cl. H04L 12/22 (2006.01)**
[25] EN
[54] **CYBER THREAT INTELLIGENCE SYSTEM INFRASTRUCTURE**
[54] **INFRASTRUCTURE DE SYSTEME D'INTELLIGENCE DE CYBERMENACE**
[72] HABIB, HAKEM, CA
[72] SINGH GIDDA, KUSHWANT, CA
[72] STILL, COREY, CA
[72] BRODA, MACIEJ, CA
[72] RAZAVI, AMIR, CA
[72] KITCHING, MATTHEW, CA
[72] HERVIEUX, MARC-ANDRE, CA
[72] SKINNER, JAMES, CA
[72] CHOWDHURY, MAHAMUDUL, CA
[72] DHANJI, SHAFFIQ, CA
[73] BCE INC., CA
[86] (2989897)
[87] (2989897)
[22] 2017-12-21
[30] US (62/440,212) 2016-12-29

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[13] C
[51] **Int.Cl. G10L 25/81 (2013.01) G10L 25/84 (2013.01)**
[25] EN
[54] **VOICE ACTIVITY MODIFICATION FRAME ACQUIRING METHOD, AND VOICE ACTIVITY DETECTION METHOD AND APPARATUS**
[54] **PROCEDE D'ACQUISITION DE TRAMES DE MODIFICATION D'ACTIVITE VOCALE, ET PROCEDE ET APPAREIL DE DETECTION D'ACTIVITE VOCALE**
[72] ZHU, CHANGBAO, CN
[72] YUAN, HAO, CN
[73] ZTE CORPORATION, CN
[85] 2017-12-20
[86] 2015-11-05 (PCT/CN2015/093889)
[87] (WO2016/206273)
[30] CN (201510364255.0) 2015-06-26

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[51] **Int.Cl. F22B 1/02 (2006.01) F22B 37/66 (2006.01) F22B 37/68 (2006.01)**
[25] EN
[54] **STEAM GENERATOR**
[54] **GENERATEUR DE VAPEUR**
[72] LAKHOV, DMITRIY ALEKSANDROVICH, RU
[72] GRITSENKO, ANDREY ALEKSEEVICH, RU
[73] JOINT STOCK COMPANY "EXPERIMENTAL AND DESIGN ORGANIZATION "GIDROPRESS" AWARDED THE ORDER OF THE RED BANNER OF LABOUR AND CZSR ORDER OF LABOUR, RU
[85] 2017-12-21
[86] 2016-06-02 (PCT/RU2016/000333)
[87] (WO2017/007371)
[30] RU (2015126931) 2015-07-07

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[54] **PROMEDICAMENTS DE FUMARATES ET LEUR UTILISATION POUR LE TRAITEMENT DE DIVERSES MALADIES**
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[72] DUNCAN, SCOTT, US
[72] HENCKEN, CHRISTOPHER P., US
[72] WYNN, THOMAS ANDREW, US
[72] SANRAME, CARLOS N., US
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[54] **DIFFRACTIVE BACKLIGHT DISPLAY AND SYSTEM**
[54] **AFFICHEUR ET SYSTEME A RETROECLAIRAGE A DIFFRACTION**
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[73] LEIA INC., US
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[54] **PROCEDE POUR L'INTRODUCTION CONTROLEE D'HUILE DANS DES PRODUITS ALIMENTAIRES**
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[73] JIMMYASH LLC, US
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[54] **ENCAPSULATION D'ACIDES NUCLEIQUES DANS DES EXOSOMES**
[72] GIBBINGS, DERRICK, CA
[72] TAYLOR, JAMES ANDREW, CA
[73] UNIVERSITY OF OTTAWA, CA
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[54] **SYSTEME ET DISPOSITIF DE MESURE DE DEBIT DANS UN CONDUIT**
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[72] IRONMONGER, DUNCAN, US
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[54] **APPAREIL DE TRANSFERT DE BOUTEILLE**
[72] BELAND, GERARD, CA
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[54] **PROTEINE 7 DE LIAISON AU FACTEUR DE CROISSANCE SIMILAIRE A L'INSULINE POUR LE TRAITEMENT DU CANCER**
[72] GREEN, MICHAEL, US
[72] WAJAPEYEE, NARENDRA, US
[73] UNIVERSITY OF MASSACHUSETTS, US
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[54] **CONNECTEUR D'ALIMENTATION ETANCHE HERMAPHRODITE POUR APPLICATIONS FERROVIAIRES**
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[73] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
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[54] **METHODE ET DISPOSITIF D'ENLEVEMENT DU FER DANS UNE SOLUTION RENFERMANT DU FER EN HYDROMETALLURGIE**
[72] YIN, SHUYAN, CN
[72] LU, YEDA, CN
[72] ZHAO, PENGFEI, CN
[72] FU, JIANGUO, CN
[72] LI, SHAOLONG, CN
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[54] **COMMANDE BASEE SUR UN RESEAU ET DESTINEE AU RELAIS DE MESSAGES DE DECOUVERTE DE DISPOSITIF A DISPOSITIF**
[72] HAMPEL, KARL GEORG, US
[72] LI, JUNYI, US
[72] PARK, VINCENT DOUGLAS, US
[73] QUALCOMM INCORPORATED, US
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[54] **STOCKAGE ET EXTRACTION DE DONNEES D'UN CUBE DE DONNEES**
[72] PROCOPS, ROY, US
[72] TRAHAN, DAVID, US
[73] AB INITIO TECHNOLOGY LLC, US
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[54] **AMELIORATION DE LA RESOLUTION D'IMAGES DE TOMOGRAPHIE PAR COHERENCE OPTIQUE AU COURS D'UNE CHIRURGIE VITREO-RETINIENNE**
[72] CHARLES, STEVEN T., US
[73] ALCON INC., US
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[54] **APPARATUS AND METHOD FOR MEASURING WAVEFORM OF LIGHT WAVE**
[54] **APPAREIL ET METHODE DE MESURE DE FORME D'ONDE LUMINEUSE**
[72] KIM, KYUNG-TAEC, KR
[72] NAM, CHANG-HEE, KR
[72] PARK, SEUNG-BEOM, KR
[72] CHO, WO-SIK, KR
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[54] **CABLE ET DISPOSITIF ET METHODE POUR PRODUIRE UN CABLE**
[72] VAN DER SCHUIT, RINZE JAN, NL
[73] CABIN AIR GROUP B.V., NL
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[72] CHAPMAN, RYAN G., CA
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[54] **NUCLEIC ACIDS WHICH ENCODE .DELTA.9-ELONGASES, .DELTA.8-DESATURASES AND .DELTA.5-DESATURASES, USES AND PROCESSES THEREOF**
[54] **ACIDES NUCLEIQUES ENCODANT DES ELONGASES .DELTA.-9, DES DESATURASES.DELTA.-8 ET DES DESATURASES .DELTA.-5, UTILISATIONS ET PROCEDES DE CEUX-CI**
[72] NAPIER, JOHNATHAN, GB
[72] SAYANOVA, OLGA, GB
[72] VENEGAS CALERON, MONICA, GB
[73] BASF PLANT SCIENCE GMBH, DE
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[54] **MULTI-AXIS ARTICULATING AND ROTARY SPRAY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PULVERISATION ROTATIVE ET D'ARTICULATION A AXES MULTIPLES**
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[72] CAMP, CHARLES HORACE, JR., US
[73] TRINITY BAY WORX, LLC, US
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[54] **SYSTEMS AND METHODS FOR UTILIZING VEHICLE CONNECTIVITY IN ASSOCIATION WITH PAYMENT TRANSACTIONS**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'UTILISER UNE CONNECTIVITE DE VEHICULE EN ASSOCIATION AVEC DES TRANSACTIONS DE PAIEMENT**
[72] CHENG, RICHARD, US
[72] FRIEDMAN, MICHAEL J., US
[72] LEE, CHARLES SANGWON, US
[72] LOPES, VITORINO JOSE PEREIRA, US
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[54] **LAPPER ASSEMBLY**
[54] **APPAREIL DE DEBRUTAGE**
[72] SPANGLER, CLINTON, US
[73] USNR, LLC, US
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[54] **SETTING ASSISTANCE DEVICE, SETTING ASSISTANCE METHOD, AND PROGRAM RECORDING MEDIUM**
[54] **DISPOSITIF D'AIDE AU REGLAGE, PROCEDE D'AIDE AU REGLAGE ET SUPPORT D'ENREGISTREMENT DE PROGRAMME**
[72] HIRAKAWA, YASUFUMI, JP
[73] NEC CORPORATION, JP
[85] 2018-06-14
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[54] **DISPOSITIF DE LAME DE BALAYAGE AVEC LAMES REGLABLES**
[72] MICHEL, HUGO, CA
[72] BERGERON, MARCO, CA
[72] MICHEL, STEPHAN, CA
[73] USINAGE PRO24 INC., CA
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[54] **SINTERED BODY, METHOD OF MANUFACTURING SINTERED BODY, COMBUSTOR PANEL, AND METHOD OF MANUFACTURING COMBUSTOR PANEL**
[54] **CORPS FRITTE, PROCEDE DE PRODUCTION DE CORPS FRITTE, PANNEAU DE CHAMBRE DE COMBUSTION ET PROCEDE DE PRODUCTION DE PANNEAU DE CHAMBRE DE COMBUSTION**
[72] SUZUKI, KENJI, JP
[72] TERAUCHI, SYUNTARO, JP
[72] KITAGAKI, HISASHI, JP
[72] HANAMI, KAZUKI, JP
[72] HANADA, TADAYUKI, JP
[73] MITSUBISHI HEAVY INDUSTRIES AERO ENGINES, LTD., JP
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[54] **INFRASTRUCTURE DE TRANSACTION D'INFORMATIONS**
[72] GOLOSHCHUK, VLADIMIR, US
[73] MASTERCARD INTERNATIONAL INCORPORATED, US
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[54] **MANAGEMENT OF PROFILES FOR INTERACTIVE MEDIA GUIDANCE APPLICATIONS**
[54] **GESTION DE PROFILS POUR DES APPLICATIONS DE GUIDES DE SUPPORTS INTERACTIFS**
[72] STARKENBURG, MICHAEL ROSS, US
[72] KELLOGG-SMITH, PETER, US
[72] FERRONE, ANDREW, US
[72] SHANNON, STEVE, US
[73] ROVI GUIDES, INC., US
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[54] **METHOD AND SERVER FOR PROVIDING NOTARY SERVICE FOR FILE AND VERIFYING FILE RECORDED BY NOTARY SERVICE**
[54] **PROCEDE ET SERVEUR PERMETTANT DE FOURNIR UN SERVICE DE NOTAIRE POUR UN DOSSIER ET DE VERIFIER UN DOSSIER ENREGISTRE PAR UN SERVICE DE NOTAIRE**
[72] UHR, JOON SUN, KR
[72] HONG, JAY WU, KR
[72] SONG, JOO HAN, KR
[73] COINPLUG, INC., KR
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[54] **RAILROAD HOPPER CAR DISCHARGE GATE ASSEMBLY AND RELATED METHOD FOR CONTROLLING DISCHARGE OF MATERIAL FROM A RAILROAD HOPPER CAR**
[54] **ENSEMBLE REGISTRE DE VIDANGE DE WAGON-TREMIE FERROVIAIRE, ET PROCEDE ASSOCIE POUR COMMANDER LE DECHARGEMENT DE MATERIAU D'UN WAGON-TREMIE FERROVIAIRE**
[72] SENN, BRIAN A., US
[72] EARNEST, NICHOLAS, B., US
[73] MINER ENTERPRISES, INC., US
[73] POWERBRACE CORPORATION, US
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[54] **COMPOSITIONS AND METHODS AFFECTING THE SIGNALING PATHWAYS OF LRP RECEPTORS**
[54] **COMPOSITIONS ET PROCEDES AFFECTANT LES VOIES DE SIGNALISATION DE RECEPTEURS LRP**
[72] RABBANI, ELAZAR, US
[72] LI, XIAOFENG, US
[72] LIU, DAKAI, US
[72] ZHANG, YAZHOU, US
[72] JIN, RICHARD, US
[72] BHATTACHARYYA, RIDDHI, US
[72] CHENG, WEI, US
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[72] LIANG, YUANXING, US
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[54] **MACHINE D'EXERCICE**
[72] YIM, RAMSEY, US
[72] MARJAMA, MARCUS L., US
[72] HENDRICKS, KEVIN M., US
[73] NAUTILUS, INC., US
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[54] **SELF-DISPERSED PIGMENTS AND METHODS FOR MAKING AND USING THE SAME**
[54] **PIGMENTS AUTO-DISPERSES ET PROCEDES DE PREPARATION ET D'UTILISATION DE CEUX-CI**
[72] SHING, VINCENT, US
[72] SUJEETH, PUTHALATH K., US
[72] KANE, JOHN P., US
[72] OUELLETTE, DANIEL A., US
[72] ULRICH, MARCK, US
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[73] SENSIENT COLORS LLC, US
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[54] **SYSTEME ET PROCEDE DE DELIVRANCE DE CERTIFICAT A BASE DE CHAINE DE BLOCS**
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[72] HONG, JAY WU, KR
[72] SONG, JOO HAN, KR
[73] COINPLUG, INC., KR
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[54] **PLATEFORME D'AGENT DE SECURITE INDUSTRIELLE**
[72] LUO, SONG, US
[72] NEGM, WALID, US
[72] SOLDERITSCH, JAMES J., US
[72] MULCHANDANI, SHAAN, US
[72] HASSANZADEH, AMIN, US
[72] MODI, SHIMON, US
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
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[54] **LABELLER AND METHOD OF USING THE SAME**
[54] **DISPOSITIF D'ETIQUETAGE ET SON PROCEDE D'UTILISATION**
[72] SLEIMAN, SUMIER, CA
[73] LABELPAC INCORPORATED, CA
[85] 2018-09-21
[86] 2017-03-24 (PCT/US2017/023976)
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[54] **COMPOSITIONS NOVATRICES COMME INHIBITRICES D'AUTOTAXINE ET COMPOSITIONS PHARMACEUTIQUES EN RENFERMANT**
[72] LEE, DAE YON, KR
[72] CHAE, SANG EUN, KR
[72] JUNG, EUN MI, KR
[72] YANG, EUN HYE, KR
[72] CHOI, YOON JEONG, KR
[72] CHUNG, CHUL-WOONG, KR
[72] SHIN, JU HYUN, KR
[72] KIM, YUN KI, KR
[72] KWON, HYUN JIN, KR
[72] RYU, JEONG HEE, KR
[72] BAN, EUN HYE, KR
[72] KIM, YONG ZU, KR
[72] OH, YEONG SOO, KR
[72] CHAE, JEIWOOK, KR
[73] LEGOCHEM BIOSCIENCES, INC., KR
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[54] **INTEGRATED SYSTEMS FOR WIRE AND CABLE INSTALLATIONS**
[54] **SYSTEMES INTEGRES POUR INSTALLATION DE FILS ET DE CABLES**
[72] CARLSON, JOHN R., US
[72] MCCARDEL, DAVID B., US
[72] COOPER, DAVID A., US
[72] MERCIER, DAVID, US
[72] SASSE, PHILIP, US
[72] DANIEL, ALLAN W., US
[72] ANDREA, TIMOTHY M., US
[73] SOUTHWIRE COMPANY, LLC, US
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[25] EN
[54] **PROCESS FOR THE PRODUCTION OF ARACHIDONIC ACID AND/OR EICOSAPENTAENOIC ACID**
[54] **PROCEDE DE PRODUCTION D'ACIDE ARACHIDONIQUE ET/OU D'ACIDE EICOSAPENTAENOIQUE**
[72] NAPIER, JOHNATHAN A., GB
[72] SAYANOVA, OLGA, GB
[73] BASF PLANT SCIENCE GMBH, DE
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[54] **BOLUS CALCULATOR WITH PROBABILISTIC CARBOHYDRATE MEASUREMENTS**
[54] **CALCULATEUR DE BOLUS AVEC MESURES D'HYDRATE DE CARBONE PROBABILISTES**
[72] DUKE, DAVID L., US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-10-19
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[54] **MONITORING OF APPLICATION PROGRAM INTERFACE INTEGRATIONS**
[54] **SURVEILLANCE DES INTEGRATIONS D'INTERFACES DE PROGRAMME D'APPLICATIONS**
[72] WEBB, JASON MICHAEL, US
[72] JERE, AMIT RAMCHANDRA, US
[72] BARNES, THOMAS, US
[72] SHILARNAV, SHASHI R., US
[73] INTUIT INC., US
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[54] **QUANTUM ASSISTED OPTIMIZATION**
[54] **OPTIMISATION ASSISTEE PAR QUANTUM**
[72] DENCHEV, VASIL S., US
[72] MOHSENI, MASOUD, US
[72] NEVEN, HARTMUT, US
[73] GOOGLE LLC, US
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[54] **PROCESSING OF IRON-RICH RARE EARTH BEARING ORES**
[54] **TRAITEMENT DE MINERAIS CONTENANT DES TERRES RARES RICHES EN FER**
[72] BISAKA, KABWIKA, ZA
[72] THOBADI, ITUMELENG, ZA
[73] MINTEK, ZA
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[54] **ELECTRONIC AEROSOL PROVISION SYSTEM AND VAPORIZER THEREFOR**
[54] **SYSTEME DE FOURNITURE D'AEROSOL ELECTRONIQUE ET VAPORISATEUR ASSOCIE**
[72] FRASER, RORY, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2018-10-25
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[54] **PRESSURE ACTIVATED SELECTIVE PERFORATING SWITCH SUPPORT**
[54] **SUPPORT DE COMMUTATEUR DE PERFORATION SELECTIF ACTIVE PAR PRESSION**
[72] SANSING, JOEL, US
[73] HUNTING TITAN, INC., US
[85] 2018-10-31
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[54] **SYSTEMS AND METHODS OF DETERMINING DIMENSIONS OF STRUCTURES IN MEDICAL IMAGES**
[54] **SYSTEMES ET PROCEDES DE DETERMINATION DE DIMENSIONS DE STRUCTURES DANS DES IMAGES MEDICALES**
[72] WHITE, CHRISTOPHER, CA
[73] FUJIFILM SONOSITE, INC., US
[85] 2018-11-06
[86] 2017-05-12 (PCT/US2017/032539)
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[54] **UPPER COUPLER ASSEMBLY FOR TRAILERS**
[54] **ASSEMBLAGE DE RACCORD SUPERIEUR DE REMORQUES**
[72] JONES, JOHN M., US
[73] GREAT DANE LLC, US
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[87] (3024367)
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[54] **SYSTEM AND METHOD FOR PROVIDING AUTOMATICALLY UPDATED PRODUCT INSERTS**
[54] **SYSTEME ET PROCEDE DE MISE EN PLACE D'INSERTS A MISE A JOUR AUTOMATIQUE POUR PRODUITS**
[72] BURDETTE, DANIEL, US
[72] LE-THI, PHUONG, US
[73] BIO-RAD LABORATORIES, INC., US
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[54] **MULTIMEDIA RESOURCE SYNCHRONOUS PUSHING METHOD BASED ON HETEROGENEOUS NETWORK**
[54] **PROCEDE DE POUSSER SYNCHRONE DE RESSOURCES MULTIMEDIAS BASE SUR UN RESEAU HETEROGENE**
[72] XU, YILING, CN
[72] ZHANG, WENJUN, CN
[72] FENG, SHAN, CN
[72] CHEN, HAO, CN
[72] WANG, YANFENG, CN
[72] SUN, JUN, CN
[72] GUAN, YUNFENG, CN
[73] SHANGHAI JIAO TONG UNIVERSITY, CN
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[54] **AUTOMATIC QUBIT CALIBRATION**
[54] **ETALONNAGE AUTOMATIQUE DE BITS QUANTIQUES**
[72] KELLY, JULIAN SHAW, US
[73] GOOGLE LLC, US
[85] 2018-12-05
[86] 2016-12-19 (PCT/US2016/067467)
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[54] **CERAMIC FOAM FILTER FOR NON-FERROUS METALS**
[54] **FILTRE DE MOUSSE CERAMIQUE DESTINE A DES METAUX NON-FERREUX**
[72] VINCENT, MARK, GB
[73] PYROTEK ENGINEERING MATERIALS LTD., GB
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[25] EN
[54] **ADJUSTABLE ANGLE WEIGHT LIFTING BENCH**
[54] **BANC DE LEVAGE DE POIDS A ANGLE REGLABLE**
[72] VOROZILCHAK, DAVID, US
[72] LENNOX, JAMES J., US
[72] BROWN, KENNETH, US
[73] MAXX BENCH, US
[85] 2019-01-08
[86] 2016-08-12 (PCT/US2016/046806)
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[30] US (62/203,961) 2015-08-12
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[51] **Int.Cl. H04L 9/14 (2006.01)**
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[54] **HARVESTING AND DISTRIBUTING A CERTIFICATE BASED ON A DNS NAME**
[54] **RECOLTE ET DISTRIBUTION D'UN CERTIFICAT FONDEES SUR UN NOM DNS**
[72] JOYNER, BRYAN ADAM, US
[72] MORRISON, KELLY SUE, US
[72] ROBERTSON, DAVID JOSEPH, US
[73] ZIXCORP SYSTEMS, INC., US
[86] (3030394)
[87] (3030394)
[22] 2019-01-17
[30] US (15/896,655) 2018-02-14

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[51] **Int.Cl. H04B 10/40 (2013.01) H04B 10/11 (2013.01) H04B 10/112 (2013.01)**
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[54] **OPTICAL WIRELESS ROTARY JOINT**
[54] **JOINT ROTATIF SANS FIL OPTIQUE**
[72] SIPPLE, MICHAEL KEVIN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-01-22
[86] 2016-09-30 (PCT/US2016/054726)
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[54] **ENGINE DRIVEN POWER SUPPLIES WITH OUTPUT REDUCTION**
[54] **ALIMENTATIONS ELECTRIQUES ENTRAINEES PAR MOTEUR AVEC REDUCTION DE SORTIE**
[72] SMITH, ALAN FREDERIC, US
[72] JOYCE, RICHARD CHARLES, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2019-01-31
[86] 2017-07-26 (PCT/US2017/043871)
[87] (WO2018/034808)
[30] US (15/236,584) 2016-08-15

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[54] **TONERS EXHIBITING REDUCED MACHINE ULTRAFINE PARTICLE (UFP) EMISSIONS AND RELATED METHODS**
[54] **ENCRES SECHES PRESENTANT DES EMISSIONS DE PARTICULES ULTRAFINES DE MACHINE REDUITES ET METHODES ASSOCIEES**
[72] PAWAR, SIDDHESH NITIN, US
[72] MORALES-TIRADO, JUAN A., US
[72] KMIECIK-LAWRYNOWICZ, GRAZYNA E., US
[72] ASARESE, DANIEL W., US
[72] FRANK, JORDAN A., US
[73] XEROX CORPORATION, US
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[87] (3032781)
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[25] EN
[54] **WELDING-TYPE POWER SUPPLIES WITH ADJUSTABLE AC CURRENT COMMUTATION THRESHOLDS**
[54] **ALIMENTATIONS EN PUISSANCE DE TYPE SOUDAGE A SEUILS REGLABLES DE COMMUTATION DE COURANT ALTERNATIF**
[72] KADLEC, MARK S., US
[72] HENRY, ANDREW JOSEPH, US
[73] ILLINOIS TOOL WORKS INC., US
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[25] EN
[54] **A COMPOSITION COMPRISING A SURFACTANT AND CITRIC ACID/SODIUM CITRATE CHELATING AGENTS TO TREAT A MEMBRANE IN A FLUID SYSTEM TO REMOVE BIOFILM**
[54] **COMPOSITION COMPRENANT UN TENSIOACTIF ET DES AGENTS CHELATANTS D'ACIDE CITRIQUE/CITRATE DE SODIUM POUR TRAITER UNE MEMBRANE DANS UN CIRCUIT DE FLUIDE POUR RETIRER UN BIOFILM**
[72] DENVIR, ADRIAN, US
[72] EDFORD, JAMES GREGORY, US
[72] DELEGARD, ANGELA L., US
[72] BOYETTE, SCOTT M., US
[73] NCH CORPORATION, US
[85] 2019-02-13
[86] 2016-10-05 (PCT/US2016/055546)
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[51] **Int.Cl. B65D 23/10 (2006.01) B65D 1/02 (2006.01) B65D 1/46 (2006.01)**
[25] EN
[54] **CONTAINER AND METHOD OF MANUFACTURING THE SAME**
[54] **CONTENANT ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] PALMER, JOEY, US
[72] JANECZEK, JAMES, US
[72] SPAGNOLI, ROBERT, US
[73] ALTIUM PACKAGING LP, US
[73] UNILOY, INC., US
[85] 2019-02-14
[86] 2017-08-22 (PCT/US2017/047891)
[87] (WO2018/044615)
[30] US (15/255,403) 2016-09-02

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[54] **COMBUSTION AIR BLOWER**
[54] **SOUFFLANTE A COMBUSTION**
[72] HUMBURG, MICHAEL, DE
[72] JENSEN, HANS, DE
[73] EBERSPACHER CLIMATE CONTROL SYSTEMS GMBH, DE
[86] (3034934)
[87] (3034934)
[22] 2019-02-25
[30] DE (10 2018 104 517.4) 2018-02-28

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[51] **Int.Cl. E04B 1/38 (2006.01) E04B 1/26 (2006.01) E04B 7/06 (2006.01) E04C 5/01 (2006.01) E04C 5/18 (2006.01) F16B 1/00 (2006.01) F16B 7/00 (2006.01) F16B 9/00 (2006.01)**
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[54] **RAFTER BRACKET**
[54] **SUPPORT DE CHEVRON**
[72] FOX, SAMUEL, US
[73] FOX HARDWOOD LUMBER COMPANY, L.L.C., US
[86] (3035506)
[87] (3035506)
[22] 2019-03-04
[30] US (15/912,203) 2018-03-05
[30] US (16/113,022) 2018-08-27
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[25] EN
[54] **TOMATO KETCHUP WITH IMPROVED STORAGE STABILITY**
[54] **KETCHUP DE TOMATE A STABILITE AU STOCKAGE AMELIOREE**
[72] LEE, IN, KR
[72] PARK, SEUNG WON, KR
[72] BYUN, SUNG BAE, KR
[72] SHIM, DONG SEOK, KR
[72] JUNG, DONG CHUL, KR
[72] CHOI, JONG MIN, KR
[73] CJ CHEILJEDANG CORPORATION, KR
[85] 2019-03-11
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[87] (WO2018/066825)
[30] KR (10-2016-0129260) 2016-10-06

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[25] EN
[54] **METHOD FOR REMOVING ORGANIC SOLID ASPHALTENE DEPOSITS FROM A WELLBORE**
[54] **PROCEDE D'ELIMINATION DE DEPOTS D'ASPHALTENE SOLIDE ORGANIQUE D'UN PUITSDE FORAGE**
[72] QUINTERO, LIRIO, US
[72] FELIPE, MARY JANE, US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-03-11
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[30] US (62/394,325) 2016-09-14
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[25] EN
[54] **SYSTEM AND METHOD FOR ANALYZING A POWERTRAIN CONFIGURATION**
[54] **SYSTEME ET PROCEDE D'ANALYSE DE CONFIGURATION DE GROUPE PROPULSEUR**
[72] SLATON, ZACHARY, US
[72] HAMPSON, RICHARD, US
[72] WICKSTRUM, TODD, US
[73] PACCAR INC, US
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[25] EN
[54] **SEPARATOR FOR LIQUID-GAS MIXTURE INCORPORATING A SLEEVE**
[54] **SEPARATEUR POUR MELANGE LIQUIDE-GAZ COMPRENANT UN MANCHON**
[72] FRAGUELA YANEZ, PABLO MANUEL, BE
[72] RABAEY, ELISABETH ANIKA SIMON, BE
[72] POTTERS, TOM ANDRE JENNY, BE
[72] VRIENS, VIKTOR MAURITS INGRID, BE
[72] MARIEN, KAREN ANNA LEON, BE
[73] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
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[87] (WO2018/069812)
[30] BE (2016/5762) 2016-10-11

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[51] **Int.Cl. B05B 9/00 (2006.01) B05B 11/00 (2006.01) B65D 47/34 (2006.01) B65D 83/00 (2006.01)**
[25] EN
[54] **ONE TURN ACTUATED DURATION SPRAY DISPENSER**
[54] **DISTRIBUTEUR A PULVERISATION ET A DUREE ACTIVEE PAR UN TOUR**
[72] BLAKE, WILLIAM S., US
[73] ALTERNATIVE PACKAGING SOLUTIONS, LLC, US
[86] (3037653)
[87] (3037653)
[22] 2012-04-11
[62] 2,964,554

[11] **3,039,029**
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[51] **Int.Cl. A24F 40/05 (2020.01) A24F 40/48 (2020.01)**
[25] EN
[54] **FLAVOR INHALER**
[54] **OUTIL D'ASPIRATION D'AROME**
[72] INAGAKI, MICHIHIRO, JP
[73] JAPAN TOBACCO INC., JP
[85] 2019-04-01
[86] 2016-10-12 (PCT/JP2016/080265)
[87] (WO2018/069995)

[11] **3,040,298**
[13] C
[51] **Int.Cl. F16K 7/14 (2006.01) F16K 27/02 (2006.01)**
[25] EN
[54] **BYPASS VALVE WITH RIGID AND DEFORMABLE MEMBERS**
[54] **ROBINET DE DERIVATION COMPRENANT DES ELEMENTS RIGIDES ET DEFORMABLES**
[72] MINTO, SHELDON A., US
[73] MANN+HUMMEL FILTRATION TECHNOLOGY US LLC, US
[85] 2019-04-11
[86] 2017-11-16 (PCT/US2017/062114)
[87] (WO2018/098016)
[30] US (62/425,189) 2016-11-22

[11] **3,040,399**
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[51] **Int.Cl. H01H 33/664 (2006.01) H01H 9/38 (2006.01) H01H 33/12 (2006.01) H01H 33/20 (2006.01)**
[25] EN
[54] **ELECTRICAL INTERRUPTION DEVICE**
[54] **DISPOSITIF D'INTERRUPTION ELECTRIQUE**
[72] FALKINGHAM, LESLIE, GB
[73] S&C ELECTRIC COMPANY, US
[85] 2019-04-12
[86] 2017-12-14 (PCT/GB2017/053752)
[87] (WO2018/069738)
[30] GB (1617458.3) 2016-10-14

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[51] **Int.Cl. C12N 5/10 (2006.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) C12N 5/04 (2006.01) C12N 15/09 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **ORGANISMS HOMOZYGOUS FOR TARGETED MODIFICATION**
[54] **ORGANISMES HOMOZYGOTES DESTINES A UNE MODIFICATION CIBLEE**
[72] DOYON, YANNICK, US
[73] SANGAMO THERAPEUTICS, INC., US
[86] (3040550)
[87] (3040550)
[22] 2010-08-11
[62] 2,770,312
[30] US (61/273,928) 2009-08-11

[11] **3,040,826**
[13] C
[51] **Int.Cl. A47J 36/00 (2006.01) B65D 81/36 (2006.01)**
[25] EN
[54] **PAN IN COMBINATION WITH A THERMAL BAG**
[54] **PLAT AVEC SAC THERMIQUE**
[72] SARNOFF, NORTON, US
[72] SARNOFF, DAVID, US
[73] HANDI-FOIL CORP., US
[86] (3040826)
[87] (3040826)
[22] 2019-04-23
[30] US (16/286,735) 2019-02-27
[30] US (16/353,498) 2019-03-14

[11] **3,041,506**
[13] C
[51] **Int.Cl. A24F 23/00 (2006.01)**
[25] EN
[54] **CONTAINER FOR A TOBACCO RELATED PRODUCT**
[54] **RECIPIENT POUR PRODUIT ASSOCIE AU TABAC**
[72] NOVAK, SLAVOMIR, DE
[72] MAROSE, MICHAELA, DE
[73] REEMTSMA CIGARETTENFABRIKEN GMBH, DE
[85] 2019-04-15
[86] 2017-10-12 (PCT/EP2017/076013)
[87] (WO2018/086815)
[30] EP (16198060.2) 2016-11-10

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[51] **Int.Cl. G21F 9/36 (2006.01) G21F 5/06 (2006.01) G21F 5/12 (2006.01) G21F 5/14 (2006.01)**
[25] EN
[54] **NUCLEAR FUEL DEBRIS CONTAINER WITH PERFORATED COLUMNIZING INSERT**
[54] **RECIPIENT A DECHETS DE COMBUSTIBLE NUCLEAIRE AVEC INSERT DE MISE EN COLONNES PERFORE**
[72] CARVER, GEORGE C., US
[73] NAC INTERNATIONAL INC., US
[86] (3042757)
[87] (3042757)
[22] 2019-05-08
[30] US (16/392,667) 2019-04-24

[11] **3,042,834**
[13] C
[25] EN
[54] **COMMUNICATION METHOD, COMMUNICATIONS APPARATUS, NETWORK DEVICE, AND TERMINAL**
[54] **PROCEDE, APPAREIL, DISPOSITIF DE RESEAU ET TERMINAL DESTINES A DES COMMUNICATIONS**
[72] WANG, TING, CN
[72] DOU, SHENGYUE, CN
[72] LI, YUANJIE, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-05-03
[86] 2017-11-03 (PCT/CN2017/109383)
[87] (WO2018/082670)
[30] CN (201610981779.9) 2016-11-04

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[13] C
[51] **Int.Cl. D06M 11/70 (2006.01) D01D 5/00 (2006.01)**
[25] EN
[54] **PHOSPHONATED PBI FIBER**
[54] **FIBRE PBI PHOSPHONEE**
[72] SHIELS, BRIAN P., US
[72] COPELAND, GREGORY S., US
[72] QIN, FENG, US
[73] PBI PERFORMANCE PRODUCTS, INC., US
[86] (3043411)
[87] (3043411)
[22] 2016-06-28
[62] 2,991,137
[30] US (62/188,812) 2015-07-06
[30] US (15/193,206) 2016-06-27

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[51] **Int.Cl. B64C 5/02 (2006.01) B64C 5/06 (2006.01) B64C 27/00 (2006.01)**
[25] FR
[54] **AERODYNAMIC SHAPES WITH IMPROVED STABILIZATION EFFICIENCY FOR TAIL SECTIONS AND FINS**
[54] **PROFILS AERODYNAMIQUES A EFFICACITE STABILISATRICE AMELIOREE POUR EMPENNAGES ET DERIVES**
[72] KELAIDIS, MANOUSOS, FR
[73] AIRBUS HELICOPTERS, FR
[86] (3043436)
[87] (3043436)
[22] 2019-05-14
[30] FR (1800615) 2018-06-14

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[13] C
[51] **Int.Cl. H04W 74/08 (2009.01) H04W 48/14 (2009.01)**
[25] EN
[54] **METHOD AND DEVICE FOR REQUESTING SYSTEM INFORMATION**
[54] **PROCEDE ET DISPOSITIF POUR DEMANDER DES INFORMATIONS DE SYSTEME**
[72] KIM, SANGWON, KR
[72] LEE, YOUNGDAE, KR
[72] LEE, JAEWOOK, KR
[73] LG ELECTRONICS INC., KR
[85] 2019-05-09
[86] 2018-01-31 (PCT/KR2018/001308)
[87] (WO2018/143656)
[30] US (62/453,469) 2017-02-01

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[13] C
[51] **Int.Cl. A61B 5/369 (2021.01) G06N 20/00 (2019.01) A61B 5/378 (2021.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING VISUAL IDENTITY AND CATEGORY RECONSTRUCTION FROM ELECTROENCEPHALOGRAPHY (EEG) SIGNALS**
[54] **SYSTEME ET METHODE DE GENERATION D'UNE IDENTITE VISUELLE ET RECONSTRUCTION PAR CATEGORIE A PARTIR DE SIGNAUX D'ELECTROENCEPHALOGRAPHIE (EEG)**
[72] NESTOR, ADRIAN RAZVAN, CA
[72] NEMRODOV, DAN, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[86] (3044281)
[87] (3044281)
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[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 20/06 (2012.01) G06Q 40/02 (2012.01) G06F 16/27 (2019.01)**
[25] EN
[54] **ASSET TRANSFER METHOD AND APPARATUS, AND ELECTRONIC DEVICE**
[54] **METHODE DE TRANSFERT D'ACTIF ET APPAREIL, ET DISPOSITIF ELECTRONIQUE**
[72] HU, DANQING, CN
[72] LIN, SEN, CN
[72] ZHANG, JUNLIANG, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-06-07
[86] 2019-05-29 (PCT/US2019/034253)
[87] (WO2019/231952)
[30] CN (201810533816.9) 2018-05-29

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[51] **Int.Cl. F16C 17/02 (2006.01) E21B 17/08 (2006.01) E21B 17/10 (2006.01) F16C 33/04 (2006.01)**
[25] EN
[54] **RADIAL BEARING APPARATUS FOR USE WITH SIDE FORCES**
[54] **APPAREIL DE ROULEMENT RADIAL DESTINE A DES FORCES LATERALES**
[72] GHARIB, HOSSAM, CA
[72] BELL, STEVEN GRAHAM, CA
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-07-09
[86] 2018-11-09 (PCT/CA2018/051426)
[87] (WO2020/019052)
[30] US (62/711,314) 2018-07-27

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[51] **Int.Cl. H04W 4/00 (2018.01) A61B 5/00 (2006.01) A61B 7/00 (2006.01)**
[25] EN
[54] **ENHANCED WIRELESS COMMUNICATION FOR MEDICAL DEVICES**
[54] **COMMUNICATION SANS FIL AMELIOREE POUR DISPOSITIFS MEDICAUX**
[72] LANDGRAF, CONNOR, US
[72] GERSHTEIN, EUGENE, US
[72] CROUCH, TYLER, US
[73] EKO DEVICES, INC., US
[85] 2019-06-18
[86] 2017-12-19 (PCT/US2017/067337)
[87] (WO2018/118935)
[30] US (15/384,506) 2016-12-20

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[51] **Int.Cl. B65G 65/28 (2006.01) B65G 15/60 (2006.01) B65G 65/06 (2006.01)**
[25] EN
[54] **STACKER-RECLAIMER APPARATUS**
[54] **CONVOYEUR EMPILEUR-RAMASSEUR**
[72] KAUFMANN, MARIO, AT
[73] FMW FORDERANLAGEN GMBH, AT
[86] (3047866)
[87] (3047866)
[22] 2019-06-26
[30] US (16/100,898) 2018-08-10

[11] **3,048,868**
[13] C
[51] **Int.Cl. A01G 7/00 (2006.01) A01G 7/04 (2006.01) A01H 6/28 (2018.01) A01H 3/02 (2006.01)**
[25] EN
[54] **METHOD FOR INCREASING THE FLORAL YIELD OF A FLOWERING PLANT**
[54] **PROCEDE POUR AUGMENTER LE RENDEMENT DE FLORAISON D`UNE PLANTE A FLEURS**
[72] SULEJMANI, MEMET, US
[73] SULEJMANI HOLDINGS, LLC, US
[86] (3048868)
[87] (3048868)
[22] 2019-07-09
[30] US (16/437,577) 2019-06-11

[11] **3,049,280**
[13] C
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **SERVICE TRANSMISSION METHOD, BASE STATION AND TERMINAL**
[54] **PROCEDE DE TRANSMISSION DE SERVICE, STATION DE BASE ET TERMINAL**
[72] YANG, NING, CN
[72] XU, HUA, CA
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-07-04
[86] 2017-01-06 (PCT/CN2017/070482)
[87] (WO2018/126454)

[11] **3,049,346**
[13] C
[51] **Int.Cl. B29C 48/08 (2019.01) B29D 7/01 (2006.01)**
[25] EN
[54] **MANUFACTURING OF SMALL FILM STRIPS**
[54] **FABRICATION DE PETITES BANDES DE FILM**
[72] BOGUE, BEAFORD A., US
[73] AQUESTIVE THERAPEUTICS, INC., US
[86] (3049346)
[87] (3049346)
[22] 2011-10-21
[62] 2,815,467
[30] US (12/909,995) 2010-10-22

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[13] C
[51] **Int.Cl. A61F 2/40 (2006.01) A61F 2/30 (2006.01)**
[25] EN
[54] **ADJUSTABLE ORTHOPEDIC CONNECTIONS**
[54] **RACCORDEMENTS ORTHOPEDIQUES REGLABLES**
[72] WINSLOW, NATHAN A., US
[72] HOPKINS, ANDREW ROLFE, CH
[73] ZIMMER, INC., US
[85] 2019-07-05
[86] 2018-01-05 (PCT/US2018/012537)
[87] (WO2018/129286)
[30] US (62/444,142) 2017-01-09

[11] **3,050,339**
[13] C
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD FOR TRANSMITTING DOWNLINK CONTROL INFORMATION, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION D'INFORMATIONS DE COMMANDE DE LIAISON DESCENDANTE, EQUIPEMENT TERMINAL ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[72] XU, HUA, CA
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-07-16
[86] 2017-01-18 (PCT/CN2017/071592)
[87] (WO2018/132983)

[11] **3,050,756**
[13] C
[51] **Int.Cl. B26B 21/56 (2006.01) B26B 21/58 (2006.01)**
[25] EN
[54] **RAZOR BLADE, RAZOR HEAD, AND METHOD OF MANUFACTURE**
[54] **LAME DE RASOIR, TETE DE RASOIR, ET PROCEDE DE FABRICATION**
[72] DAVOS, VASILEIOS, GR
[72] PAPACHRISTOS, VASSILIS, GR
[72] EFTHIMIADIS, DIMITRIOS, GR
[72] ZAFIROPOULOS, PANAGIOTIS, GR
[72] SKOUNAKIS, NIKOLAOS, GR
[72] KOMIANOS, IOANNIS, GR
[72] KAROUSSIS, MICHALIS, GR
[72] PAPAGEORGIOU, ANASTASIOS, GR
[73] BIC VIOLEX S.A., GR
[86] (3050756)
[87] (3050756)
[22] 2012-10-08
[62] 2,849,730
[30] EP (PCT/EP2011/067451) 2011-10-06

[11] **3,050,977**
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[51] **Int.Cl. A47J 37/07 (2006.01) F24C 15/12 (2006.01)**
[25] EN
[54] **DETACHABLE PLATFORM FOR A BARBECUE GRILL**
[54] **PLATEFORME AMOVIBLE POUR BARBECUE**
[72] CHANG, SHU-JUI, CN
[73] REVOACE INC. LIMITED, CN
[86] (3050977)
[87] (3050977)
[22] 2019-08-01

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[25] EN
[54] **RANDOM ACCESS METHOD, TERMINAL APPARATUS, AND NETWORK APPARATUS**
[54] **PROCEDE D'ACCES ALEATOIRE, APPAREIL DE TERMINAL ET APPAREIL DE RESEAU**
[72] LIU, JIANHUA, CN
[72] YANG, NING, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-07-19
[86] 2017-01-23 (PCT/CN2017/072286)
[87] (WO2018/133125)

[11] **3,051,552**
[13] C
[51] **Int.Cl. G10L 19/038 (2013.01)**
[25] EN
[54] **DEVICE AND METHOD FOR EXECUTION OF HUFFMAN CODING**
[54] **DISPOSITIF ET PROCEDE D'EXECUTION D'UN CODAGE DE HUFFMAN**
[72] LIU, ZONGXIAN, SG
[72] CHONG, KOK SENG, SG
[72] OSHIKIRI, MASAHIRO, JP
[73] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[86] (3051552)
[87] (3051552)
[22] 2012-03-12
[62] 2,832,032
[30] JP (2011-094295) 2011-04-20
[30] JP (2011-133432) 2011-06-15

[11] **3,052,608**
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[51] **Int.Cl. H04N 19/91 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/33 (2014.01) H04N 19/593 (2014.01) H04N 19/82 (2014.01)**
[25] EN
[54] **IMAGE CODING DEVICE, IMAGE DECODING DEVICE, IMAGE CODING METHOD, AND IMAGE DECODING METHOD**
[54] **DISPOSITIF DE CODAGE D'IMAGE, DISPOSITIF DE DECODAGE D'IMAGE, METHODE DE CODAGE D'IMAGE ET METHODE DE DECODAGE D'IMAGE**
[72] SUGIMOTO, KAZUO, JP
[72] SEKIGUCHI, SHUNICHI, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[86] (3052608)
[87] (3052608)
[22] 2011-11-01
[62] 2,937,202
[30] JP (2010-281743) 2010-12-17

[11] **3,052,790**
[13] C
[51] **Int.Cl. C08L 23/14 (2006.01) C08K 5/01 (2006.01) C08K 5/103 (2006.01) C08K 5/315 (2006.01) C08L 23/10 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING HETEROPHASIC POLYMER COMPOSITIONS**
[54] **PROCEDE DE FABRICATION DE COMPOSITIONS POLYMERES HETEROPHASIQUES**
[72] TRENOR, SCOTT R., US
[72] SPRINKLE, JASON D., US
[73] MILLIKEN & COMPANY, US
[85] 2019-08-06
[86] 2018-01-19 (PCT/US2018/014376)
[87] (WO2018/156278)
[30] US (62/461,600) 2017-02-21

[11] **3,053,335**
[13] C
[51] **Int.Cl. F16B 15/02 (2006.01)**
[25] EN
[54] **NAIL WITH A HEAD HAVING AN INWARDLY CURVED TOP SURFACE**
[54] **CLOU POURVU D'UNE TETE AYANT UNE SURFACE SUPERIEURE INCURVEE VERS L'INTERIEUR**
[72] RYAN, PATRICK, US
[72] CORTEZ, GENARO, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2019-08-12
[86] 2018-01-09 (PCT/US2018/012924)
[87] (WO2018/156252)
[30] US (15/439,884) 2017-02-22

[11] **3,053,594**
[13] C
[51] **Int.Cl. F41A 1/02 (2006.01) B64G 1/40 (2006.01) B64G 5/00 (2006.01) F41F 3/00 (2006.01)**
[25] EN
[54] **BAFFLED-TUBE RAM ACCELERATOR**
[54] **ACCELERATEUR DE CHARGE A TUBE A DEFLECTEURS**
[72] KNOWLEN, CARL, US
[72] BRUCKNER, ADAM P., US
[72] HIGGINS, ANDREW J., US
[72] HANSEN, VIGGO, US
[73] UNIVERSITY OF WASHINGTON, US
[86] (3053594)
[87] (3053594)
[22] 2015-10-07
[62] 2,964,109
[30] US (62/061,542) 2014-10-08

[11] **3,054,345**
[13] C
[51] **Int.Cl. A47C 27/00 (2006.01) B05D 7/24 (2006.01)**
[25] EN
[54] **CUSHIONS INCLUDING A COATED ELASTOMERIC CUSHIONING ELEMENT AND RELATED METHODS**
[54] **COUSSINS COMPORTANT UN ELEMENT DE REMBOURRAGE ELASTOMERE REVETU ET PROCEDES ASSOCIES**
[72] HAMILTON, LARS CHRISTEN, US
[72] WHEADON, TANNER RICK, US
[72] ABEL, JOHN NATHAN, US
[72] PEARCE, TERRY V., US
[73] PURPLE INNOVATION LLC, US
[85] 2019-08-21
[86] 2018-07-10 (PCT/US2018/041455)
[87] (WO2019/018161)
[30] US (15/654,948) 2017-07-20

[11] **3,055,713**
[13] C
[51] **Int.Cl. H05K 1/02 (2006.01) G01S 7/521 (2006.01) H01H 1/20 (2006.01) H05K 1/03 (2006.01) H05K 1/11 (2006.01)**
[25] EN
[54] **CIRCUIT BOARD WITH DIELECTRIC SURFACE SWITCH AND EMBEDDED METAMATERIALS PROVIDING INCREASED ARC RESISTANCE**
[54] **CARTES DE CIRCUITS IMPRIMES AYANT UN INTERRUPTEUR EN SAILLIE DIELECTRIQUE ET DES METAMATERIAUX INTEGRES OFFRANT UNE RESISTANCE A L`ARC AMELIOREE**
[72] BENDIX, LENDON L., US
[73] SPARTON DELEON SPRINGS, LLC, US
[86] (3055713)
[87] (3055713)
[22] 2019-09-17
[30] US (16/136,547) 2018-09-20

[11] **3,056,002**
[13] C
[51] **Int.Cl. B64C 27/28 (2006.01) B64C 27/82 (2006.01) B64C 29/00 (2006.01)**
[25] EN
[54] **CONVERTIBLE ROTOR AIRCRAFT**
[54] **AERONEF A VOILURE TOURNANTE CONVERTIBLE**
[72] NETZER, YOAV, DE
[73] NETZER, YOAV, DE
[85] 2019-09-09
[86] 2016-03-10 (PCT/IB2016/051353)
[87] (WO2017/153807)

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[13] C
[51] **Int.Cl. C04B 28/04 (2006.01) C04B 16/06 (2006.01)**
[25] EN
[54] **PALE-COLORED FIBER CEMENT PRODUCTS AND METHODS FOR THE PRODUCTION THEREOF**
[54] **PRODUITS EN FIBROCIMENT CLAIRS ET PROCEDES PRODUCTION ASSOCIES**
[72] BORDIN, RUBEN, BE
[72] VERLEENE, DAVE, BE
[72] KERSTENS, JAN, BE
[73] ETEX SERVICES NV, BE
[73] COMPTOIR DU BATIMENT NV, BE
[85] 2019-09-12
[86] 2018-03-27 (PCT/EP2018/057774)
[87] (WO2018/178079)
[30] EP (17163339.9) 2017-03-28

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[13] C
[51] **Int.Cl. H01B 3/20 (2006.01) C07C 67/03 (2006.01) C07C 67/08 (2006.01) H01F 27/12 (2006.01)**
[25] EN
[54] **DIELECTRIC FLUID COMPOSITIONS FOR ENHANCED THERMAL MANAGEMENT**
[54] **COMPOSITIONS FLUIDES DIELECTRIQUES POUR UNE GESTION THERMIQUE AMELIOREE**
[72] HAN, SUH JOON, US
[72] ZINKWEG, DIRK B., US
[72] LYSENKO, ZENON, US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[86] (3056968)
[87] (3056968)
[22] 2012-09-26
[62] 2,850,154
[30] US (61/541584) 2011-09-30

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[13] C
[51] **Int.Cl. B62K 5/10 (2013.01) B62K 5/05 (2013.01)**
[25] EN
[54] **LEANING VEHICLE**
[54] **VEHICULE A INCLINAISON**
[72] SHIBUYA, YU, JP
[73] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP
[85] 2019-09-20
[86] 2018-05-01 (PCT/JP2018/017384)
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[54] **PROCEDE ET APPAREIL D'AFFICHAGE D'INFORMATIONS**
[72] XU, DAFENG, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
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[54] **NOVEL TANDEM MALONATE-BASED AMPHIPATHIC MOLECULE AND USE THEREOF**
[54] **NOUVELLE MOLECULE AMPHIPATHIQUE A BASE DE MALONATE EN TANDEM ET UTILISATION CONNEXE**
[72] CHAE, PIL SEOK, KR
[72] HUSSAIN, HAZRAT, KR
[73] INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY ERICA CAMPUS, KR
[85] 2019-10-02
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[25] EN
[54] **BINDER COMPOSITION, ARTICLE, AND METHOD FOR MANUFACTURING ARTICLE**
[54] **COMPOSITION DE LIANT, ARTICLE ET PROCEDE DE FABRICATION D'ARTICLE**
[72] KIM, JI EUN, KR
[72] LEE, CHANG SUK, KR
[72] MOON, JUN OK, KR
[72] YANG, YOUNG LYEOL, KR
[72] OH, CHANG YUB, KR
[72] ROH, HANG DUK, KR
[72] SIM, DO YONG, KR
[72] CHO, KWANG MYUNG, KR
[72] CHOI, JIN WOO, KR
[72] DIM, HYUN JOONG, KR
[72] BACK, JONG HO, KR
[73] CJ CHEILJEDANG CORPORATION, KR
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[25] EN
[54] **VIDEO ANALYTICS SYSTEM**
[54] **SYSTEME D'ANALYSE VIDEO**
[72] PALIGA, ANDRZEJ, CA
[72] MATTA, MICHAEL, CA
[72] GLICK, DAVID, CA
[72] PINARD, DEBBIE, CA
[73] SOLINK CORPORATION, CA
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[25] EN
[54] **METHODS FOR USING ISOTOPIC SIGNATURES TO DETERMINE CHARACTERISTICS OF HYDROCARBON SOURCES**
[54] **PROCEDES D'UTILISATION DE SIGNATURES ISOTOPIQUES POUR DETERMINER DES CARACTERISTIQUES DE SOURCES D'HYDROCARBURES**
[72] PETERSON, BRIAN, US
[72] LAWSON, MICHAEL, US
[72] FORMOLO, MICHAEL J., US
[72] HIGGINS, MEYTAL B., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
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[25] EN
[54] **VENT STACK TEMPERATURE AS A FEEDFORWARD VARIABLE FOR SMELT DISSOLVING TANK TTA CONTROL**
[54] **TEMPERATURE DE COLONNE D'EVENT EN TANT QUE VARIABLE PAR ACTION DIRECTE POUR UNE COMMANDE TTA DE DISSOLVEUR DE SALIN**
[72] REN, WEI, CA
[72] DUBORD, BRENNAN, CA
[72] JOHNSON, JASON, CA
[72] ALLISON, BRUCE JAMES, CA
[73] FPINNOVATIONS, CA
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[25] EN
[54] **PROVISIONING A SECURE CONNECTION USING A PRE-SHARED KEY**
[54] **FOURNITURE DE CONNEXION SECURISEE A L`AIDE D`UNE CLE PRE-PARTAGEE**
[72] MURRAY, BRIAN JEREMIAH, US
[72] GOPALAKRISHNAN, NARAYANAN, US
[73] CLOVER NETWORK, INC., US
[86] (3061233)
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[54] **HALOGENATED ELASTOMERS WITH MOONEY VISCOSITY STABILITY AND METHOD FOR PREPARING SAME**
[54] **ELASTOMERES HALOGENES PRESENTANT UNE STABILITE DE VISCOSITE DE MOONEY ET PROCEDE POUR LEUR PREPARATION**
[72] GU, LEMING, US
[72] BARBEE, THOMAS R., US
[72] SCHMIEG, JOEL E., US
[73] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2019-10-23
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[54] **HYDROCARBON RESOURCE HEATING SYSTEM INCLUDING INTERNAL FLUIDIC CHOKE AND RELATED METHODS**
[54] **SYSTEME DE CHAUFFAGE DE RESSOURCE D`HYDROCARBURES COMPRENANT UN ETRANGLEUR FLUIDIQUE INTERNE ET PROCEDES CONNEXES**
[72] TRAUTMAN, MARK A., US
[72] HIBNER, VERLIN A., US
[72] WRIGHT, BRIAN N., US
[73] EAGLE TECHNOLOGY, LLC, US
[86] (3062672)
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[54] **REACTOR (SOEC) FOR ELECTROLYSIS OR CO-ELECTROLYSIS OF WATER OR FUEL CELL (SOFC) OPERATING IN A PRESSURIZED OPERATING MODE AND COMPRISING A CLAMPING SYSTEM SUITABLE FOR SUCH AN OPE RATING MODE**
[54] **REACTEUR D'ELECTROLYSE OU DE CO-ELECTROLYSE DE L'EAU (SOEC) OU PILE A COMBUSTIBLE (SOFC) A FONCTIONNEMENT SOUS PRESSION ET A SYSTEME DE SERRAGE ADAPTE A UN TEL FONCTIONNEMENT**
[72] REYTIER, MAGALI, FR
[72] BERNARD, CHARLOTTE, FR
[72] ROUX, GUILHEM, FR
[72] SZYNAL, PHILIPPE, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
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[54] **CYLINDRICAL SYMMETRIC VOLUMETRIC MACHINE.**
[54] **MACHINE VOLUMETRIQUE SYMETRIQUE CYLINDRIQUE.**
[72] FABRY, ERIK PAUL, BE
[72] GOETHALS, ANTON JAN, BE
[72] RAES, BART MARIA M., BE
[73] ATLAS COPCO AIRPOWER, NAAMLOSE VENNOOTSCHAP, BE
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[25] EN
[54] **BACKGROUND SEPARATED IMAGES FOR PRINT AND ON-LINE USE**
[54] **IMAGE SEPAREE DU FOND POUR IMPRESSION ET UTILISATION EN LIGNE**
[72] WILLIAMS, ROBERT C., US
[72] WHEELER, MATTHEW J., US
[72] KOONTZ, STEVEN R., US
[73] PC CONNECTION, INC., US
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[87] (3066413)
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[54] **DUNNAGE CONVERSION MACHINE AND METHOD**
[54] **MACHINE ET PROCEDE DE CONVERSION DE FARDAGE**
[72] CORBIN, DOUGLAS C., US
[72] STEIMLE, MICHAEL A., US
[72] PARK, KEVIN, US
[73] RANPAK CORP., US
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[54] **QUINOLINE AND ISOQUINOLINE COMPOUNDS USEFUL FOR TREATING CANCER**
[54] **COMPOSES DE QUINOLEINE ET DE ISOQUINOLEINE UTILES POUR TRAITER LE CANCER**
[72] ROUX, PIERRE, FR
[72] MAHUTEAU, FLORENCE, FR
[72] NAJMAN, ROMAIN, FR
[72] TAZI, JAMAL, FR
[72] GADEA, GILLES, FR
[72] SCHERRER, DIDIER, FR
[72] BROCK, CARSTEN, FR
[72] CAHUZAC, NATHALIE, FR
[73] ABIVAX SA, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] INSTITUT CURIE, FR
[73] UNIVERSITE DE MONTPELLIER, FR
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[25] FR
[54] **METHOD FOR ASSISTING AT LEAST ONE MOVEMENT OF A USER AND CORRESPONDING DEVICE**
[54] **PROCEDE D'ASSISTANCE D'AU MOINS UN MOUVEMENT D'UN UTILISATEUR ET DISPOSITIF CORRESPONDANT**
[72] ATTAL, HUGO, FR
[72] THIEFFRY, ROLAND, FR
[72] GRENIER, JORDANE, FR
[73] SAFRAN ELECTRONICS & DEFENSE, FR
[85] 2020-01-28
[86] 2018-07-25 (PCT/EP2018/070225)
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[54] **PLASTIC AEROSOL CONTAINER ASSEMBLY AND METHOD OF MANUFACTURE**
[54] **ENSEMBLE CONTENANT D'AEROSOL EN PLASTIQUE ET PROCEDE DE FABRICATION**
[72] ARMSTRONG, RALPH, US
[72] NAHILL, THOMAS E., US
[72] BARKER, KEITH J., US
[72] LYNCH, BRIAN A., US
[73] GRAHAM PACKAGING COMPANY, L.P., US
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[25] EN
[54] **P38 KINASE INHIBITORS REDUCE DUX4 AND DOWNSTREAM GENE EXPRESSION FOR THE TREATMENT OF FSHD**
[54] **INHIBITEURS DE LA KINASE P38 REDUISANT L'EXPRESSION DU GENE DUX4 ET DES GENES AVAL POUR LE TRAITEMENT DE LA FSHD**
[72] CACACE, ANGELA MARIE, US
[72] ROJAS SOTO, LUIS GUSTAVO ALEJANDRO, US
[72] THOMPSON, LORIN A., III, US
[72] WALLACE, OWEN BRENDAN, US
[72] ROBERTSON, ALAN SCOTT, US
[72] SHEN, NING, US
[72] RONCO, LUCIENNE V., US
[72] CHANG, AARON NAKWON, US
[73] FULCRUM THERAPEUTICS, INC., US
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[54] **FIELD MEASUREMENT OF SOIL ELEMENT CONCENTRATION**
[54] **MESURE SUR SITE DE LA CONCENTRATION EN CONSTITUANTS DE SOL**
[72] LIU, MIAO, US
[72] JURADO, LUIS, US
[73] THE CLIMATE CORPORATION, US
[85] 2020-03-31
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[25] EN
[54] **LIGHTING MODULE ASSEMBLY AND METHOD OF USE**
[54] **ENSEMBLE MODULE D'ECLAIRAGE ET METHODE D'UTILISATION**
[72] MACLEISH, MICHAEL S., US
[72] VIZANKO, JOSHUA, US
[73] R & B WAGNER, INC., US
[85] 2020-04-21
[86] 2018-11-09 (PCT/US2018/060083)
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[25] EN
[54] **N4-HYDROXYCYTIDINE AND DERIVATIVES AND ANTI-VIRAL USES RELATED THERETO**
[54] **N4-HYDROXYCYTIDINE ET DERIVES ET LEURS UTILISATIONS ANTI-VIRALES**
[72] PAINTER, GEORGE R., US
[72] BLUEMLING, GREGORY R., US
[72] NATCHUS, MICHAEL G., US
[72] GUTHRIE, DAVID, US
[73] EMORY UNIVERSITY, US
[85] 2020-05-07
[86] 2018-12-07 (PCT/US2018/064503)
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[30] US (62/595,907) 2017-12-07
[30] US (62/626,998) 2018-02-06
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[25] EN
[54] **STRAIN ENERGY-BASED METHOD AND APPARATUS TO DETERMINE THE COEFFICIENT OF RESILIENCE OF LOST CIRCULATION MATERIALS**
[54] **PROCEDE ET APPAREIL BASES SUR L'ENERGIE DE DEFORMATION PERMETTANT DE DETERMINER LE COEFFICIENT DE RESILIENCE DE MATERIAUX DE CIRCULATION PERDUE**
[72] AMANULLAH, MD, SA
[72] ARFAJ, MOHAMMED K., SA
[72] ALSUBAIE, TURKI, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-05-13
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[51] **Int.Cl. A47L 25/00 (2006.01)**
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[54] **AUTOMATIC AND CURRENTLESS DIRT REMOVER**
[54] **SYSTEME D'ENLEVEMENT DE SALETES AUTONOME ET SANS COURANT**
[72] ODENDAHL, SUSANNE, DE
[73] NO CRUMBS GMBH, DE
[85] 2020-05-26
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[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **BLOCKCHAIN-BASED TRANSACTION PROCESSING METHOD AND APPARATUS, AND ELECTRONIC DEVICE**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE TRANSACTION SUR LA BASE D'UNE CHAINE DE BLOCS ET DISPOSITIF ELECTRONIQUE**
[72] WANG, JIYUAN, CN
[72] DU, HUABING, CN
[72] YAN, XUEBING, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2020-05-29
[86] 2019-05-29 (PCT/US2019/034271)
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[54] **A HEARING ASSISTANCE DEVICE WITH AN ACCELEROMETER**
[54] **PROTHESE AUDITIVE POURVUE D'UN ACCELEROMETRE**
[72] AASE, JONATHAN SARJEANT, US
[72] BAKER, JEFF, US
[72] POLINSKE, BEAU, US
[72] KLIMANIS, GINTS, US
[73] EARGO, INC., US
[85] 2020-07-24
[86] 2019-01-22 (PCT/US2019/014607)
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[51] **Int.Cl. H04B 7/0408 (2017.01) H04W 16/28 (2009.01) H04W 24/06 (2009.01) H04W 72/04 (2009.01) H04B 7/185 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR FLEXIBLE ASSIGNMENT OF BEAMS TO GATEWAYS IN A HIGH THROUGHPUT DIGITAL PAYLOAD SATELLITE NETWORK**
[54] **SYSTEMES ET PROCEDES POUR UNE ATTRIBUTION FLEXIBLE DE FAISCEAUX A DES PASSERELLES DANS UN RESEAU DE SATELLITES DE CHARGE UTILE NUMERIQUE A GRAND DEBIT**
[72] ROY, SATYAJIT, US
[72] CHOQUETTE, GEORGE, US
[73] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2020-08-04
[86] 2019-02-05 (PCT/US2019/016587)
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[30] US (15/889,194) 2018-02-05

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[25] EN
[54] **METHOD AND SYSTEM FOR LIGHTWEIGHT CALIBRATION OF MAGNETIC FINGERPRINT DATASET**
[54] **METHODE ET SYSTEME D`ETALONNAGE LEGER D`UN ENSEMBLE DE DONNEES D`EMPREINTES DIGITALES MAGNETIQUES**
[72] HUBERMAN, SEAN, CA
[72] OHAB, HENRY, CA
[73] MAPSTED CORP., CA
[86] (3091599)
[87] (3091599)
[22] 2020-08-28
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[54] **ZIPPERED GARMENT PROVIDING SELECTIVE ACCESS**
[54] **VETEMENT A FERMETURES A GLISSIERE OFFRANT UN ACCES SELECTIF**
[72] NAISMITH, RUTH, CA
[72] NAISMITH, DAVID, CA
[73] NAISMITH SYSTEMS INC., CA
[85] 2020-08-19
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[25] EN
[54] **MOLDED TAP CHANGER ASSEMBLIES AND METHODS FOR DRY-TYPE TRANSFORMERS**
[54] **ENSEMBLES CHANGEUR DE PRISE MOULES ET PROCEDES DESTINES A DES TRANSFORMATEURS DE TYPE SEC**
[72] NAVARRO, MARTIN ALSINA, BR
[72] MORENO, ANDRE LUIZ, BR
[72] WANG, YAOQIANG, CN
[72] ZHANG, YUQIAN, CN
[72] LU, XIAOFENG, CN
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[73] HAINAN JINPAN SMART TECHNOLOGY CO., LTD., CN
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[51] **Int.Cl. G06F 21/31 (2013.01)**
[25] EN
[54] **THRESHOLD DETERMINING AND IDENTITY VERIFICATION METHOD, APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE DE DETERMINATION DE SEUIL ET DE VERIFICATION D'IDENTITE, APPAREIL, DISPOSITIF ELECTRONIQUE ET SUPPORT DE STOCKAGE**
[72] CHENG, YU, CN
[72] CHEN, TAO, CN
[72] LU, YICHENG, CN
[72] CHEN, XIN, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2020-10-28
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[54] **POLYETHYLENE COMPOSITION HAVING HIGH SWELL RATIO, FNCT AND IMPACT RESISTANCE**
[54] **COMPOSITION DE POLYETHYLENE AYANT UN TAUX DE GONFLEMENT, UN FNCT ET UNE RESISTANCE AUX CHOCS ELEVES**
[72] DOETSCH, DIANA, DE
[72] MARCZINKE, BERND LOTHAR, DE
[72] MEIER, GERHARDUS, US
[72] SCHUELLER, ULF, DE
[72] FIBLA, CLAUDIO, NL
[73] BASELL POLYOLEFINE GMBH, DE
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[25] EN
[54] **WATER-REPELLENT KNITTED FABRIC, METHOD FOR PRODUCING WATER-REPELLENT KNITTED FABRIC, CLOTHING MADE OF WATER-REPELLENT KNITTED FABRIC, AND LAYERING INCLUDING CLOTHING**
[54] **TISSU MAILLE HYDROFUGE, PROCEDE DE PRODUCTION D`UN TISSU MAILLE HYDROFUGE, VETEMENT FAIT D`UN TISSU MAILLE HYDROFUGE, ET SUPERPOSITION, Y COMPRIS LE VETEMENT**
[72] KANAYAMA, YOTARO, JP
[72] YAGI, YUKO, JP
[72] TANAKA, JUN, JP
[73] FINETRACK CO., LTD., JP
[86] (3101125)
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[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING AND SECURING COMPUTER SYSTEMS**
[54] **SYSTEMES ET PROCEDES DE GESTION ET DE SECURISATION DE SYSTEMES INFORMATIQUES**
[72] MUSSEAU, JULIUS WILLIAM, CA
[73] MERGEBASE SOFTWARE INC., CA
[85] 2020-11-25
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[54] **APPARATUS AND METHOD FOR CREATING METAL MATRIX COMPOSITE THREE-DIMENSIONAL OBJECTS**
[54] **APPAREIL ET PROCEDE DE CREATION D'OBJETS TRIDIMENSIONNELS COMPOSITES A MATRICE METALLIQUE**
[72] CARRIER, PHILIPPE, CA
[72] GELINAS-GUY, MAXENCE, CA
[73] DYZE DESIGN INC., CA
[85] 2020-12-04
[86] 2019-07-30 (PCT/CA2019/051040)
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[54] **CHILD RESISTANT SENIOR FRIENDLY CAN CLOSURE MECHANISM**
[54] **MECANISME DE FERMETURE DE RECIPIENT CONVIVIAL POUR LES PERSONNES AGEES ET SECURITAIRE POUR LES ENFANTS**
[72] SANGUINET, ANDREW, US
[72] NIGGEL, BRETT, US
[73] BERLIN PACKAGING, LLC, US
[86] (3102700)
[87] (3102700)
[22] 2020-12-15
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[54] **SWEEPING BLADE DEVICE WITH ADJUSTABLE BLADES**
[54] **DISPOSITIF DE LAME DE BALAYAGE AVEC LAMES REGLABLES**
[72] MICHEL, HUGO, CA
[72] BERGERON, MARCO, CA
[72] MICHEL, STEPHAN, CA
[73] USINAGE PRO24 INC., CA
[86] (3105727)
[87] (3105727)
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[25] EN
[54] **SUPPORT SKIRT FOR COKING DRUM**
[54] **JUPE DE SUPPORT POUR TAMBOUR DE COKEFACTION**
[72] SCANDROLI, TONY, US
[73] AZZ WSI LLC, US
[85] 2021-02-02
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[25] EN
[54] **ACTUATING ASSEMBLY FOR WIRE STEERED DEVICE AND WIRE STEERED DEVICE INCLUDING SAME**
[54] **MECANISME D'ACTIONNEMENT POUR DISPOSITIF A DIRECTION PAR FIL ET DISPOSITIF CONNEXE LE COMPORTANT**
[72] KIEN, TAI, US
[72] AZAR, TOUFIC, CA
[72] HIJAZI, AHMAD, LB
[73] MEACOR INC., US
[85] 2021-03-10
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[25] EN
[54] **SATELLITE OPERATION SERVICE MANAGEMENT SYSTEM, SATELLITE OPERATION SERVICE MANAGEMENT APPARATUS, AND SATELLITE OPERATION SERVICE MANAGEMENT METHOD**
[54] **SYSTEME, APPAREIL ET PROCDEDE DE GESTION DE SERVICE D'EXPLOITATION PAR SATELLITE**
[72] LEE, SUNGHEE, KR
[73] CONTEC CO., LTD., KR
[85] 2021-04-01
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[54] **SYSTEM AND METHOD FOR STORING DILUTED BITUMEN IN LATE LIFE IN SITU RESERVOIRS**
[54] **SYSTEME ET METHODE POUR STOCKER DU BITUME DILUE EN FIN DE VIE DANS LES RESERVOIRS SUR PLACE**
[72] BEENTJES, IVAN, CA
[72] MCMINN, NEIL ALAN, CA
[72] GLOVER, ROBERT DANIEL, CA
[71] SUNCOR ENERGY INC., CA
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[54] **GRAPHENE MEMBRANE AND METHOD FOR MAKING GRAPHENE MEMBRANE**
[54] **MEMBRANE DE GRAPHENE ET PROCEDE DE FABRICATION**
[72] OGUNTUASE, NIFEMI, CA
[71] 2599218 ONTARIO INC., CA
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[41] 2021-09-06

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[25] EN
[54] **A SYSTEM AND METHOD FOR AUTHENTICATING DIGITALLY SIGNED DOCUMENTS**
[54] **SYSTEME ET PROCEDE POUR AUTHENTIFIER DES DOCUMENTS SIGNES NUMERIQUEMENT**
[72] MECHANIC, MEYER, CA
[72] SEMENOVSKIY, DMITRY, CA
[71] VAULTIE INC., CA
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[25] EN
[54] **IONIC LIQUIDS FOR UPGRADING OF BITUMEN**
[54] **LIQUIDES IONIQUES POUR LA VALORISATION DU BITUME**
[72] FANAI, CARRIE, CA
[72] PUGSLEY, TODD, CA
[72] QI, YING, CA
[72] MATUSZEK, KAROLINA, CA
[72] MACFARLANE, DOUGLAS ROBERT, CA
[72] CHAFFEE, ALAN LOYD, CA
[71] SUNCOR ENERGY INC., CA
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[54] **A METHOD AND APPARATUS FOR COUNTERFLOW GRADIENT FOCUSING IN FREE-FLOW ELECTROPHORESIS**
[54] **METHODE ET APPAREIL DE FOCALISATION D`UN GRADIENT DE CONTRE-COURANT DANS UNE ELECTROPHORESE A ECOULEMENT LIBRE**
[72] COURTNEY, MATTHEW R., CA
[72] GLAWDEL, TOMASZ, CA
[72] REN, CAROLYN L., CA
[71] COURTNEY, MATTHEW R., CA
[71] GLAWDEL, TOMASZ, CA
[71] REN, CAROLYN L., CA
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[25] EN
[54] **APPARATUS AND METHOD FOR TRANSMITTING MULTIPLE ON-DEMAND AUDIO STREAMS LOCALLY TO WEB-ENABLED DEVICES**
[54] **APPAREIL ET METHODE POUR TRANSMETTRE DE MULTIPLES DIFFUSIONS AUDIO SUR DEMANDE LOCALEMENT A DES DISPOSITIFS CONNECTES A INTERNET**
[72] BOULANGER, SEBASTIEN, CA
[72] VILLENEUVE, KEVIN, CA
[72] BRISSON, ALEXANDRE, CA
[71] IC EVENTS INC., CA
[22] 2020-03-06
[41] 2021-09-06

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[51] **Int.Cl. B01D 35/02 (2006.01)**
[25] EN
[54] **BUOYANCY APPARATUS AND KIT**
[54] **APPAREIL ET TROUSSE DE FLOTTAISON**
[72] BRETI, JAMES, CA
[71] PRAIRIE FILTER FLOAT LTD., CA
[22] 2020-03-09
[41] 2021-09-09

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[25] EN
[54] **TREPANNING TOOL WITH PLUG MANAGEMENT**
[54] **OUTIL DE TREPANATION AVEC GESTION DE BOUCHON**
[72] PORTER, ROBIN, CA
[71] CUTTING EDGE TOOLS INC., CA
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[54] **COMPOSITION FOR INCREASING HAIR GROWTH AND REDUCING HAIR LOSS**
[54] **COMPOSITION POUR ACCROITRE LA POUSSE DES CHEVEUX ET REDUIRE LA PERTE DE CHEVEUX**
[72] PETTIPAS, MICHAEL, CA
[71] PETTIPAS, MICHAEL, CA
[22] 2020-03-09
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[13] A1
[51] **Int.Cl. B65B 3/08 (2006.01) B01F 15/02 (2006.01)**
[25] EN
[54] **VARIABLE HEIGHT FILL STATION FOR READY MIXED COMPOSITIONS**
[54] **STATION DE REMPLISSAGE A HAUTEUR VARIABLE POUR DES COMPOSITIONS DEJA MELANGEES**
[72] MILLER, BRENT, US
[72] HARPER, STEVEN A., US
[72] TAROLLI, ROGER, US
[71] UNITED STATES GYPSUM COMPANY, US
[22] 2020-03-10
[41] 2021-09-10

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[51] **Int.Cl. E01F 5/00 (2006.01)**
[25] EN
[54] **ARCHED CLEAR SPAN CULVERT**
[54] **PONCEAU ARQUE A PORTEE LIBRE**
[72] HANSON, DEAN, CA
[71] HANSON, DEAN, CA
[22] 2020-03-09
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[25] EN
[54] **EMERGENCY ALERT SYSTEM**
[54] **SYSTEME D'ALERTE D'URGENCE**
[72] TANNER, PETER, CA
[72] SMITH, COLLEEN, CA
[71] TELUS COMMUNICATIONS INC., CA
[22] 2020-03-10
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[54] **INSULATIVE REINFORCEMENT INSERTS FOR DOORS AND WINDOWS**
[54] **PLAQUETTES DE RENFORCEMENT ISOLANTES POUR PORTES ET FENETRES**
[72] TURNER, NEAL, CA
[71] TURNER, NEAL, CA
[22] 2020-03-10
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[51] **Int.Cl. B62K 25/26 (2006.01) B62K 3/02 (2006.01)**
[25] EN
[54] **BICYCLE SUSPENSION**
[54] **SUSPENSION DE BICYCLETTE**
[72] GIROUX, MICHEL, CA
[72] RIOPEL-BENOIT, CHRISTOPHE, CA
[71] CYCLES DEVINCI INC., CA
[22] 2020-03-09
[41] 2021-09-06
[30] US (62/986,088) 2020-03-06

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[25] EN
[54] **MAIZE INBRED PH41M2**
[54] **MAIS AUTOGAME PH41M2**
[72] CARLONE, MARIO ROSARIO, JR., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-03-10
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[51] **Int.Cl. A61L 2/26 (2006.01) A61L 2/18 (2006.01)**
[25] EN
[54] **SANITIZING/DISINFECTING BOOTH**
[54] **CABINE D`ASSAINISSEMENT/DE DESINFECTION**
[72] RAMANAH, KALIAN L., CA
[71] RAMANAH, KALIAN L., CA
[22] 2020-03-11
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[51] **Int.Cl. G01V 8/00 (2006.01) H04W 4/38 (2018.01)**
[25] EN
[54] **SMALL INTELLIGENT OPTICAL OBSERVATION APPARATUS FOR WATER BODY AND METHOD OF EVALUATING QUALITY OF GLOBAL WATER BODY WITH THE SAME**
[54] **PETIT APPAREIL D`OBSERVATION OPTIQUE INTELLIGENT POUR LES PLANS D`EAU ET METHODE D`EVALUATION DE LA QUALITE DE L`ENSEMBLE DU PLAN D`EAU AU MOYEN DU PETIT APPAREIL**
[72] SUN, ZHAOHUA, CA
[72] ZHANG, LUTING, CA
[71] EASY OCEAN TECHNOLOGY LTD, CA
[22] 2020-03-11
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[51] **Int.Cl. B62B 5/06 (2006.01)**
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[54] **SHOPPING CART HANDLE COVER**
[54] **DISPOSITIF DE PROTECTION DES POIGNEES D`UN PANIER D`EPICERIE**
[72] PLESHA, CINDY L., CA
[71] PLESHA, CINDY L., CA
[22] 2020-03-11
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[25] EN
[54] **ACCESS MAT WASHING SYSTEMS AND RELATED METHODS**
[54] **SYSTEMES DE LAVAGE DE MATELAS D`ACCES**
[72] RANDELL, ISSAC, CA
[72] BECKER, CALEB, CA
[72] HEWKO, KELLY, CA
[71] RANDELL, ISSAC, CA
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[25] EN
[54] **UNIFIED WATER TREATMENT SYSTEM FOR HOT TUBS**
[54] **SYSTEME DE TRAITEMENT DES EAUX UNIFIE POUR SPA**
[72] ROTMAN, GERRY Z., CA
[72] MCDOUGALL, EUGENE L., CA
[72] TAO, HAN, CA
[71] ROTMAN, GERRY Z., CA
[71] MCDOUGALL, EUGENE L., CA
[71] TAO, HAN, CA
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[51] **Int.Cl. B60B 29/00 (2006.01) B60S 5/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SUPPORTING A RAM**
[54] **METHODE ET APPAREIL POUR SOUTENIR UN VERIN**
[72] MCMUNN, CLAYTON WILFORD RUSSELL, CA
[72] EAGLETON, MIGUEL PAUL, CA
[72] NILSSON JAN PETER, CA
[71] KAL TIRE, CA
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[25] EN
[54] **METHOD AND APPARATUS FOR SUPPORTING A RAM**
[54] **METHODE ET APPAREIL POUR SOUTENIR UN VERIN**
[72] MCMUNN, CLAYTON WILFORD RUSSELL, CA
[72] CYRA, SHAY GERRIT, CA
[72] EAGLETON, MIGUEL PAUL, CA
[72] NILSSON, JAN PETER, CA
[71] KAL TIRE, CA
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[51] **Int.Cl. F03D 1/06 (2006.01) B64C 3/14 (2006.01) B64C 11/18 (2006.01) F03D 3/06 (2006.01)**
[25] EN
[54] **HYBRID AIRFOIL**
[54] **SURFACE PORTANTE HYBRIDE**
[72] HUNTER, COURTNEY H., CA
[71] 0832042 B.C. LTD., CA
[22] 2020-03-12
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[25] EN
[54] **ACCESS MAT WASHING SYSTEMS AND RELATED METHODS**
[54] **SYSTEMES DE LAVAGE DE MATELAS D`ACCES**
[72] ISAAC, RANDELL, CA
[72] BECKER, CALEB, CA
[72] HEWKO, KELLY, CA
[71] ISAAC, RANDELL, CA
[22] 2020-03-11
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[13] A1
[51] **Int.Cl. H05B 45/30 (2020.01) H05B 45/10 (2020.01) H05B 45/20 (2020.01) H05B 47/105 (2020.01) H05B 47/19 (2020.01)**
[25] EN
[54] **LIGHTING APPARATUS**
[54] **APPAREIL D`ECLAIRAGE**
[72] HUANG, WENCHANG, CN
[72] LIN, HONGBIN, CN
[72] ZHANG, CONGHE, CN
[71] LEEDARSON LIGHTING CO., LTD., CN
[22] 2020-06-03
[41] 2021-09-05
[30] CN (202010147804.X) 2020-03-05

[21] **3,082,154**
[13] A1
[51] **Int.Cl. B32B 3/28 (2006.01) B32B 7/05 (2019.01) B32B 13/06 (2006.01) B32B 15/01 (2006.01) B32B 15/18 (2006.01) E04D 3/34 (2006.01) E04F 15/06 (2006.01)**
[25] EN
[54] **COMPOSITE STRUCTURE INCLUDING A STRUCTURAL PANEL AND A METAL SUPPORT**
[54] **STRUCTURE COMPOSITE COMPRENANT UN PANNEAU STRUCTURAL ET UN SUPPORT METALLIQUE**
[72] POSPISIL, FRANK, US
[72] STRAIGHT, YELENA, US
[72] ULLETT, JAMES M., US
[72] NATESAIYER, KUMAR C., US
[71] UNITED STATES GYPSUM COMPANY, US
[22] 2020-06-02
[41] 2021-09-06
[30] US (62/986,398) 2020-03-06

[21] **3,083,878**
[13] A1
[51] **Int.Cl. B65F 1/14 (2006.01) B65F 1/00 (2006.01)**
[25] EN
[54] **TRASH RECEPTABLE PROTECTION APPARATUS**
[54] **APPAREIL DE PROTECTION DE POUBELLE**
[72] SAVARA, GARY M., CA
[71] SAVARA, GARY M., CA
[22] 2020-06-17
[41] 2021-09-10
[30] US (16/814,745) 2020-03-10

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[13] A1
[51] **Int.Cl. A62B 23/00 (2006.01) A41D 13/11 (2006.01) A62B 18/02 (2006.01)**
[25] EN
[54] **FILTER MASK**
[54] **MASQUE FILTRANT**
[72] CONRAD, WAYNE ERNEST, CA
[71] OMACHRON INTELLECTUAL PROPERTY INC., CA
[22] 2020-06-26
[41] 2021-09-09
[30] US (62/987,067) 2020-03-09
[30] US (62/993,480) 2020-03-23
[30] US (63/004,803) 2020-04-03
[30] US (63/010,468) 2020-04-15
[30] US (63/027,237) 2020-05-19

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[51] **Int.Cl. E06B 7/36 (2006.01)**
[25] EN
[54] **DOOR WITH FINGER PINCH PREVENTION FUNCTION**
[54] **PORTE COMPORTANT UNE FONCTION POUR PREVENIR LE PINCEMENT DES DOIGTS**
[72] KIM, SEO YEON, KR
[72] KIM, HEE SUK, KR
[72] AN, GANG SUK, KR
[72] KIM, DAE IL, KR
[72] KIM, JI WON, KR
[71] WOODS AIR CO., LTD., KR
[22] 2020-08-04
[41] 2021-09-09
[30] KR (10-2020-0029121) 2020-03-09

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[54] **RESPIRATORY DROPLET SUCTION DEVICE AND AN APPARATUS AND SYSTEM INCLUDING THE SAME**
[54] **DISPOSITIF D`ASPIRATION DE GOUTTELETTES RESPIRATOIRES ET APPAREIL ET SYSTEME LE COMPRENANT**
[72] LYU, BING, CN
[72] ZHOU, YUANSHENG, CN
[72] HUANG, XUEHUA, CN
[72] XIANG, QING, CN
[72] LI, ZHIJIE, CN
[71] GUANGZHOU AJAX MEDICAL EQUIPMENT CO., LTD., CN
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[25] EN
[54] **EXTENDED STAR LUMINAIRE NETWORK FORMED USING HEARTBEAT MESSAGES**
[54] **RESEAU ETENDU DE LUMINAIRE EN ETOILE FORME A L'AIDE DE MESSAGES BATTEMENT DE COEUR**
[72] SANDERS, ALAN DAVID, US
[72] WESTRICK, RICHARD L., JR., US
[72] SOLIMAN, SAMAR SHAKER, US
[71] ABL IP HOLDING, LLC, US
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[41] 2021-09-06
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[25] EN
[54] **WELLSITE ADAPTIVE POWER MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE L'ENERGIE ADAPTATIF POUR UN SITE DE PUITS**
[72] JOOST, CHAD, US
[72] HARVELL, CHRIS, US
[72] SHARP, BRIAN, US
[72] SMITH, PAUL, US
[72] STOVER, RONNIE, US
[71] STEWART & STEVENSON LLC, US
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[41] 2021-09-10
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[54] **SYSTEMS AND METHODS FOR UTILIZING LATE LIFE IN SITU RESERVOIRS**
[54] **SYSTEMES ET METHODES POUR UTILISER LES RESERVOIRS SUR PLACE EN FIN DE VIE**
[72] BEENTJES, IVAN, CA
[72] GLOVER, ROBERT, CA
[72] IBATULLIN, TAIR, CA
[72] HYLAND, BRONWYN, CA
[72] ALIE, COLIN, CA
[71] SUNCOR ENERGY INC., CA
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[41] 2021-09-05
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[54] **WALL PANEL ANGLED CONNECTOR SYSTEM**
[54] **SYSTEME DE RACCORD INCLINE POUR PANNEAUX MURAUX**
[72] KOPISH, ANDREW J., US
[72] LAFLEUR, TIMOTHY JOHN, US
[72] QUINTAL, NATHAN A., US
[71] KRUEGER INTERNATIONAL, INC., US
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[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED DOCUMENT ADJUDICATION COMMUNICATING CLINICAL TRIAL ACTIVITIES WITH PREPARATION FOR EFILING**
[54] **SYSTEME ET METHODE POUR L`ATTRIBUTION AUTOMATISEE DE DOCUMENTS COMMUNIQUANT DES ACTIVITES D`ESSAIS CLINIQUES AVEC PREPARATION POUR DEPOT ELECTRONIQUE**
[72] FENECH, LIDIA, CA
[71] FENECH, LIDIA, CA
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[41] 2021-09-09
[30] US (16813296) 2020-03-09

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[54] **CONTAINER SYSTEM WITH A REMOVABLE CAP**
[54] **SYSTEME DE CONTENANT AVEC COUVERCLE AMOVIBLE**
[72] CREIGHTON, MICHAEL, US
[72] BORAN, ERSEN, US
[72] LOWRY, JAMES W., US
[71] CENTRAL BAG & BURLAP CO., US
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[71] VERTEX PRECISION INDUSTRIAL CORP., TW
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[54] **HOUKA**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-11-24
[41] 2021-09-09
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[54] **HOUKA PORTATIF**
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[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-11-26
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[54] **OVERHEAD DOOR SYSTEM WITH CONCEALED HYDRAULIC CYLINDER**
[54] **SYSTEME DE PORTE BASCULANTE DISPOSANT D`UN VERIN HYDRAULIQUE CACHE**
[72] PETERSON, RICHARD ERNEST, US
[71] POWERLIFT DOOR CONSULTANTS, INC., US
[22] 2020-12-11
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[51] **Int.Cl. G06Q 10/00 (2012.01)**
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[54] **METHOD FOR ENABLING EMPLOYER COMPLIANCE WITH REGULATORY RULES**
[54] **METHODE POUR PERMETTRE LE RESPECT DES REGLEMENTS PAR L`EMPLOYEUR**
[72] KUCKSDORF, KEVIN ROGER, US
[72] MYERS, STEVEN DUANE, US
[72] HERERRA, JOEL, US
[71] J.J. KELLER & ASSOCIATES, INC., US
[22] 2021-01-08
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[54] **BOTTLE FILLER FOUNTAIN**
[54] **FONTAINE DE REMPLISSAGE DE BOUTEILLES**
[72] LEEDS, RICHARD B., US
[72] ZUTLER, BRUCE, US
[72] LEE PHILLIP, US
[71] GLOBAL INDUSTRIAL DISTRIBUTION INC., US
[22] 2021-01-14
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[25] EN
[54] **SINGLE PIECE ROTATING SPOOL FOR HIGH-PRESSURE LINES**
[54] **BOBINE ROTATIVE MONOPIECE POUR LES LIGNES A HAUTE PRESSION**
[72] BUCCIARELLI, ADRIAN, US
[72] PITCHER, JASON, US
[71] BUCCIARELLI, ADRIAN, US
[71] PITCHER, JASON, US
[22] 2021-01-20
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[25] EN
[54] **DEEP-DRAWING APPARATUS, PACKAGING MACHINE COMPRISING A DEEP-DRAWING APPARATUS AND METHOD FOR OPERATING THE DEEP-DRAWING APPARATUS**
[54] **APPAREIL D`EMBOUTISSAGE PROFOND, MACHINE D`EMBALLAGE COMPRENANT UN APPAREIL D`EMBOUTISSAGE PROFOND ET METHODE D`UTILISATION DE L`APPAREIL D`EMBOUTISSAGE PROFOND**
[72] EGELKRAUT, UDO, DE
[72] SCHNEIDER, JAN, DE
[72] THIENST, ANDREAS, DE
[71] HARRO HOFLIGER VERPACKUNGSMASCHINEN GMBH, DE
[22] 2021-01-14
[41] 2021-09-06
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[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING ORDERED OPERATION SETS ACCORDING TO TIME-SERIES DATA PROJECTIONS**
[54] **SYSTEMES ET METHODES POUR PRODUIRE DES ENSEMBLES D`OPERATIONS COMMANDEES SELON DES PREVISIONS DE DONNEES EN SERIE TEMPORELLE**
[72] NAPPER, HARRISON W., US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-01-22
[41] 2021-09-10
[30] US (16/814,948) 2020-03-10

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[51] **Int.Cl. B01D 29/62 (2006.01)**
[25] EN
[54] **BACKWASHING SUCTION DEVICE FOR FABRIC FILTRATION APPARATUS**
[54] **DISPOSITIF D`ASPIRATION DE LAVAGE A CONTRE-COURANT POUR L`APPAREIL DE FILTRATION DE TISSU**
[72] KUK, CHUNGCHANG, KR
[72] KUK, YOUNGLONG, KR
[71] GRENEX LIMITED, KR
[22] 2021-01-25
[41] 2021-09-10
[30] KR (10-2020-0029357) 2020-03-10

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[51] **Int.Cl. G06F 8/41 (2018.01) G06N 20/00 (2019.01) G06F 9/44 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMIC SERVER CONTROL BASED ON ESTIMATED SCRIPT COMPLEXITY**
[54] **SYSTEMES ET METHODES POUR LE CONTROLE DE SERVEUR DYNAMIQUE EN FONCTION DE LA COMPLEXITE DE SCRIPT ESTIMEE**
[72] WALLACE, AARON DAVID, US
[72] NAIR, ABHILASH KRISHNANKUTTY, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-01-28
[41] 2021-09-11
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[25] EN
[54] **FRICTION COATING FOR A HOCKEY STICK**
[54] **REVETEMENT DE FROTTEMENT POUR UN BATON DE HOCKEY**
[72] AVNERY, TZVI, US
[72] HEITMANN, SCOTT L., US
[72] KRAUSE, AARON, US
[72] TITOVS, ALEXANDER, US
[71] TOVI LLC, US
[22] 2021-01-29
[41] 2021-09-09
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[54] **CUBICLES FOR BOVINE ANIMALS AND ACCESSORIES THEREFOR**
[54] **CUBICULES POUR DES BOVINS ET ACCESSOIRES CONNEXES**
[72] EARLS, MICHAEL, IE
[71] EARLS, MICHAEL, IE
[22] 2021-02-03
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[30] GB (2003315.5) 2020-03-06

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[25] EN
[54] **AIRCRAFT HAVING CONVERTIBLE TAILBOOM AND LANDING GEAR SYSTEMS**
[54] **AERONEF AYANT DES SYSTEMES DE POUTRE DE QUEUE ET DE TRAIN D'ATTERRISSAGE CONVERTIBLES**
[72] BERNARD, GUY, CA
[71] BELL TEXTRON INC., US
[22] 2021-02-04
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[54] **BULBOUS BOW FOR A MARINE VESSEL**
[54] **AVANT A BULBE POUR UN NAVIRE**
[72] MORADI LARMAEI, MOHAMMAD, CA
[71] TAPURIA MARINE INC., CA
[22] 2021-02-11
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[54] **DISPOSITIF D`ALIMENTATION, DE DENTITION ET/OU DE DIVERTISSEMENT**
[72] MEYER, TRICIA L., US
[72] MEYER, MICHAEL J., US
[71] THE CLEVER BABY, LLC, US
[22] 2021-02-12
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[54] **GARMENT WITH A STORAGE HEM BAND**
[54] **VETEMENT COMPORTANT UNE BANDE D`OURLET DE STOCKAGE**
[72] DOYLE, SOPHIE ADRIENNE, CA
[71] LULULEMON ATHLETICA CANADA INC., CA
[22] 2021-02-16
[41] 2021-09-11
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[25] EN
[54] **METHOD FOR EXTRACTING ANTIBACTERIAL PEPTIDES AND ALBUMIN FROM PEA WHEY WASTEWATER**
[54] **METHODE D'EXTRACTION DE PEPTIDES ANTIBACTERIENS ET D'ALBUMINE DES EAUX USEES DE LACTOSERUM DE POIS**
[72] ZHANG, SHUCHENG, CN
[72] YANG, JINJIE, CN
[72] ZANG, QINGJIA, CN
[72] WU, SHIMIN, CN
[72] YANG, GUODONG, CN
[71] YANTAI SHUANGTA FOOD CO., LTD., CN
[22] 2021-02-22
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[51] **Int.Cl. B64C 13/40 (2006.01)**
[25] EN
[54] **CONTROL SURFACE ACTUATOR ASSEMBLIES, AIRCRAFT HYDRAULIC SYSTEMS INCLUDING THE SAME, AND ASSOCIATED AIRCRAFT AND METHODS**
[54] **ENSEMBLES D'ACTIONNEMENT DE GOUVERNE, CIRCUITS HYDRAULIQUES D'AERONEF LES COMPRENANT ET AERONEF ET METHODES CONNEXES**
[72] ROACH, JEFFREY M., US
[72] FOX, MICHAEL THOMAS, US
[71] THE BOEING COMPANY, US
[22] 2021-02-19
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[54] **ATTACHMENT DEVICE**
[54] **DISPOSITIF D`ATTACHE**
[72] ARVAG, IVER, SE
[71] ARVAG, IVER, SE
[22] 2021-02-24
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[54] **INSERTION TOOL**
[54] **OUTIL D'INSERTION**
[72] HAWKE, TREVOR OWEN, GB
[72] GRAHAM, ANDREW CRISPIN, GB
[72] CURLE, JASON RALPH GORDON, GB
[72] WESTGARTH, GRANT DAVID PAUL, GB
[71] OLIVER CRISPIN ROBOTICS LIMITED, GB
[22] 2021-02-24
[41] 2021-09-10
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[51] **Int.Cl. F16J 15/44 (2006.01) F16J 15/16 (2006.01)**
[25] EN
[54] **PLASTIC SLINGER WITH CONTACTING BUMPER FEATURE WITH LABYRINTH**
[54] **BAGUE D`ETANCHEITE EN PLASTIQUE COMPORTANT UNE CARACTERISTIQUE DE PARE-CHOCS EN CONTACT ET UN LABYRINTHE**
[72] NEOH, KAH FEI, US
[71] FREUDENBERG-NOK GENERAL PARTNERSHIP, US
[22] 2021-03-02
[41] 2021-09-08
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[51] **Int.Cl. G06Q 10/06 (2012.01) H04W 4/90 (2018.01)**
[25] EN
[54] **DISASTER SITE INTEGRATED COMMANDING AND OPERATING SYSTEM AND METHOD OF PROVIDING THE SAME**
[54] **SYSTEME D'EXPLOITATION ET DE COMMANDE INTEGRE DANS UN SITE DE CATASTROPHE, ET METHODE DE PRESTATION**
[72] HONG, SEUNG BOK, KR
[72] YU, DONG JU, KR
[72] LEE, YOUNG GI, KR
[72] CHU, KYO KOAN, KR
[71] WINITECH CO., LTD., KR
[22] 2021-02-26
[41] 2021-09-06
[30] KR (10-2020-0028040) 2020-03-06

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[13] A1
[51] **Int.Cl. B60S 9/12 (2006.01) B62D 63/08 (2006.01)**
[25] EN
[54] **EQUIPMENT TRAILER WITH DUAL LANDING GEARS, FOR SHORT/LONG-TERM PARKING**
[54] **REMORQUE DE MATERIEL A DEUX TRAINS D'ATTERRISSAGE POUR LE STATIONNEMENT A COURT/LONG TERME**
[72] BELLIVEAU, GARY, CA
[71] BELLIVEAU, GARY, CA
[22] 2021-03-04
[41] 2021-09-10
[30] US (63/100,392) 2020-03-10

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[51] **Int.Cl. G07C 5/00 (2006.01) G06Q 10/04 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **APPLYING MACHINE LEARNING TO TELEMATICS DATA TO PREDICT ACCIDENT OUTCOMES**
[54] **APPLICATION DE L`APPRENTISSAGE AUTOMATIQUE AUX DONNEES TELEMATIQUES AFIN DE PREDIRE LES RESULTATS D`ACCIDENTS**
[72] LAYNE, LARRY, US
[72] TAMMALI, VENU, US
[72] CAMPBELL, ERIC, US
[72] REICHARDT, ROSS, US
[72] LETTOFSKY, RONALD, US
[72] SCHMITT, KYLE PATRICK, US
[72] YEOMANS, BENJAMIN ROBERTSON, US
[71] ALLSTATE INSURANCE COMPANY, US
[22] 2021-02-26
[41] 2021-09-11
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[25] EN
[54] **MONITORING HEALTH OF A ROTARY GAS METER**
[54] **SURVEILLANCE DE LA SANTE D`UN COMPTEUR A GAZ ROTATIF**
[72] ARTIUCH, ROMAN LEON, US
[72] MARTIN, JEFF THOMAS, US
[72] HOOKS, PAUL STEPHEN, US
[71] NATURAL GAS SOLUTIONS NORTH AMERICA, LLC, US
[22] 2021-03-02
[41] 2021-09-05
[30] US (16/810,047) 2020-03-05

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[51] **Int.Cl. D21F 7/06 (2006.01) G01B 11/24 (2006.01)**
[25] EN
[54] **A FORMATION DETECTION SYSTEM AND A PROCESS OF CONTROLLING**
[54] **SYSTEME DE DETECTION DE FORMATION ET PROCEDE DE COMMANDE**
[72] FORESTER, ANDREW, US
[72] WRATSCHKO, PAUL, US
[72] NEAL, JAKE, US
[72] JACKSON, DAVID, US
[72] BLAIR, CHRIS, US
[72] FAUFAU, JAMES, US
[71] IBS OF AMERICA, US
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[51] **Int.Cl. B22F 12/41 (2021.01) B22F 10/20 (2021.01) B22F 12/53 (2021.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONDITIONING AND DISTRIBUTING METAL POWDER FOR ADDITIVE MANUFACTURING**
[54] **SYSTEME ET METHODE DE CONDITIONNEMENT ET DE DISTRIBUTION DE POUDRE METALLIQUE POUR LA FABRICATION ADDITIVE**
[72] EDINGER, RALF, CA
[71] EDINGER, RALF, CA
[22] 2021-03-02
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[30] US (62/988339) 2020-03-11

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[25] EN
[54] **INTERLOCKING SPINAL DISC PROSTHETIC**
[54] **PROTHESE DE DISQUE INTERVERTEBRAL INTERVERROUILLEE**
[72] BERRY, BRET MICHAEL, US
[71] BERRY, BRET MICHAEL, US
[22] 2021-03-02
[41] 2021-09-05
[30] US (16/810,217) 2020-03-05
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[54] **PROTECTIVE SURFACE AND CUSHION LAYER USED IN SUCH A SURFACE**
[54] **SURFACE DE PROTECTION ET COUCHE COUSSINEE UTILISEE DANS UNE TELLE SURFACE**
[72] FISHER, LARRY L., US
[72] DAWE, ALEXANDER J., US
[71] PLAYCORE WISCONSIN, INC., US
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[41] 2021-09-11
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[25] EN
[54] **COLD-ROLLED FLAT STEEL PRODUCT FOR PACKAGING MATERIALS**
[54] **PRODUIT D'ACIER PLAT LAMINE A FROID POUR DES MATERIAUX D'EMBALLAGE**
[72] KAUP, BURKHARD, DE
[72] MASSICOT, BLAISE, DE
[72] HEINE, LUISA-MARIE, DE
[71] THYSSENKRUPP RASSELSTEIN GMBH, DE
[22] 2021-03-03
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[51] **Int.Cl. B64C 25/24 (2006.01) B64C 25/08 (2006.01)**
[25] EN
[54] **DISTRIBUTED LANDING GEAR SYSTEM ARCHITECTURE FOR ELECTROMECHANICAL ACTUATION**
[54] **ARCHITECTURE DE SYSTEME DE TRAIN D'ATTERRISSAGE REPARTIE POUR UN ACTIONNEMENT ELECTROMECANIQUE**
[72] VIJAY, ASHISH, IN
[72] JOSYULA, ANIL PRASAD, IN
[72] VENKATESHA, HARISH GONDIHALLI, IN
[72] CEPIC, ADNAN, CA
[71] GOODRICH CORPORATION, US
[22] 2021-03-02
[41] 2021-09-05
[30] IN (202041009543) 2020-03-05
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[25] EN
[54] **PIVOTING APPARATUS FOR ROW HEAD**
[54] **APPAREIL ARTICULE POUR UN TABLIER A RANGEES**
[72] WINDSOR, ERIC D., US
[72] STONE, ERIC H., US
[72] COON, STEVE A., US
[72] KREHBIEL, NATHAN E., US
[72] FAULKNER, SCOTT E., US
[71] DEERE & COMPANY, US
[22] 2021-03-03
[41] 2021-09-11
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[25] EN
[54] **A CONTROL SYSTEM FOR A FUEL BURNING APPLIANCE AND A METHOD OF OPERATING SUCH AN APPLIANCE**
[54] **SYSTEME DE COMMANDE POUR UN APPAREIL BRULEUR DE CARBURANT ET METHODE D'EXPLOITATION D'UN TEL APPAREIL**
[72] HODGES, PAUL, CA
[72] FONG, DEREK, CA
[72] SEO, WONMYUNG, CA
[72] CHAN, CHARISSE, CA
[71] WOLF STEEL LTD., CA
[22] 2021-03-03
[41] 2021-09-06
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[25] EN
[54] **PACKAGING SHEET METAL PRODUCT**
[54] **PRODUIT DE TOLE D`EMBALLAGE**
[72] KAUP, BURKHARD, DE
[72] HEINE, LUISA-MARIE, DE
[72] MASSICOT, BLAISE, DE
[71] THYSSENKRUPP RASSELSTEIN GMBH, DE
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[30] DE (10 2020 126 437.2) 2020-10-08
[30] DE (10 2020 106 164.1) 2020-03-06

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[51] **Int.Cl. B05C 1/08 (2006.01) E06B 1/12 (2006.01) E06B 1/26 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR APPLYING DOTS OF DIFFERENT ADHESIVES TO MOVING ROOFING SHINGLE STOCK**
[54] **SYSTEMES ET METHODES POUR APPLIQUER DES POINTS D`ADHESIFS DIFFERENTS POUR DEPLACER UNE PILE DE BARDEAUX DE RECOUVREMENT**
[72] SVEC, JAMES A., US
[72] LEITCH, OLAN T., US
[71] BUILDING MATERIALS INVESTMENT CORPORATION, US
[22] 2021-03-05
[41] 2021-09-05
[30] US (62/985,607) 2020-03-05

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[51] **Int.Cl. G06F 16/903 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **DETERMINING RECOMMENDED SEARCH TERMS FOR A USER OF AN ONLINE CONCIERGE SYSTEM**
[54] **DETERMINATION DES MOTS-CLES DE RECHERCHE RECOMMANDES POUR UN UTILISATEUR D`UN SYSTEME DE CONCIERGERIE**
[72] PRASAD, SHISHIR KUMAR, US
[72] RAO KARIKURVE, SHARATH, US
[71] MAPLEBEAR, INC. (DBA INSTACART), US
[22] 2021-02-26
[41] 2021-09-11
[30] US (16/815846) 2020-03-11

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[51] **Int.Cl. B60G 17/015 (2006.01) B60P 3/16 (2006.01)**
[25] EN
[54] **AXLE PRESSURE SETTING SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE REGLAGE D`UNE PRESSION D`ESSIEU**
[72] DATEMA, BRYAN S., US
[71] OSHKOSH CORPORATION, US
[22] 2021-03-03
[41] 2021-09-06
[30] US (62/986,463) 2020-03-06
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[51] **Int.Cl. B27L 7/00 (2006.01) B27L 7/06 (2006.01)**
[25] EN
[54] **WOOD SPLITTING AID**
[54] **OUTIL D`AIDE A FENDRE LE BOIS**
[72] NABAVI, SHAHRAM, CA
[72] PEAREN, CHRISTOPHER J., CA
[72] SEED, NICHOLAS HYSNI, CA
[71] SEED, NICHOLAS HYSNI, CA
[22] 2021-03-03
[41] 2021-09-11
[30] US (16/815,058) 2020-03-11

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[13] A1
[51] **Int.Cl. F26B 21/00 (2006.01) F26B 5/04 (2006.01) F26B 7/00 (2006.01)**
[25] EN
[54] **PARTIAL VACUUM DRYING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE SECHAGE A VIDE PARTIEL**
[72] PARKER, JAMES, US
[71] GREEN MOUNTAIN MECHANICAL DESIGN, INC., US
[22] 2021-03-04
[41] 2021-09-05
[30] US (62985518) 2020-03-05

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[13] A1
[51] **Int.Cl. E21B 33/138 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR UTILIZING LATE LIFE IN SITU RESERVOIRS**
[54] **SYSTEMES ET METHODES POUR UTILISER LES RESERVOIRS SUR PLACE EN FIN DE VIE**
[72] BEENTJES, IVAN, CA
[72] CHEUNG, LAI HANG, CA
[71] SUNCOR ENERGY INC., CA
[22] 2021-03-04
[41] 2021-09-05
[30] CA (3,074,785) 2020-03-05
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[25] EN
[54] **MC CABLE WITH TEARABLE ASSEMBLY TAPE**
[54] **CABLE MC A RUBAN D`ASSEMBLAGE POUVANT ETRE DECHIRE**
[72] REIS, PAUL, US
[72] CAMPBELL, DAVID, US
[71] AFC CABLE SYSTEMS, INC., US
[22] 2021-03-04
[41] 2021-09-06
[30] US (62/986,043) 2020-03-06

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[51] **Int.Cl. B61L 25/02 (2006.01)**
[25] EN
[54] **METHOD AND CONTROLLER FOR DETERMINING THE RELATIONSHIP BETWEEN A TRACK-CIRCUIT TRANSMITTED CURRENT SIGNAL AND A RAILWAY VEHICLE LOCATION ON A RAILWAY TRACK**
[54] **METHODE ET COMMANDE POUR DETERMINER LA RELATION ENTRE UN SIGNAL DE COURANT TRANSMIS DU CIRCUIT DE RAILS ET UN EMPLACEMENT DE WAGON SUR UN CHEMIN DE FER**
[72] MIJATOVIC, NENAD, US
[72] FRIES, JEFFREY, US
[72] HERLOCKER, JESSE, US
[71] ALSTOM TRANSPORT TECHNOLOGIES, FR
[22] 2021-03-04
[41] 2021-09-06
[30] US (16/811,244) 2020-03-06

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[51] **Int.Cl. C10G 55/06 (2006.01) B01J 47/04 (2006.01) C10G 11/02 (2006.01) C10G 29/20 (2006.01) E21B 43/16 (2006.01) E21B 43/24 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **UPGRADING OF HEAVY OIL OR HEAVY OIL-DERIVED PRODUCT WITH IONIC LIQUIDS**
[54] **VALORISATION D`HUILE LOURDE OU PRODUIT DERIVE D`HUILE LOURDE CONTENANT DES LIQUIDES IONIQUES**
[72] FANAI, CARRIE, CA
[72] PUGSLEY, TODD, CA
[72] BOGATKOV, DMITRY, CA
[72] QI, YING, AU
[72] MATUSZEK, KAROLINA, AU
[72] MACFARLANE, DOUGLAS ROBERT, AU
[72] CHAFFEE. ALAN LOYD, AU
[72] BERTON, PAULA, CA
[72] ROGERS, ROBIN D., CA
[72] BRYANT, STEVEN L., CA
[71] SUNCOR ENERGY INC., CA
[22] 2021-03-04
[41] 2021-09-05
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[13] A1
[51] **Int.Cl. G10L 19/018 (2013.01) H04M 3/42 (2006.01) H04M 3/56 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUDIO CONTENT VERIFICATION**
[54] **SYSTEME ET METHODE DE VERIFICATION DE CONTENU AUDIO**
[72] RETNAMMA, VENU, IN
[71] MITEL NETWORKS CORPORATION, CA
[22] 2021-03-04
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[30] US (16/810712) 2020-03-05

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[51] **Int.Cl. H04N 21/242 (2011.01) H04N 21/2387 (2011.01) H04N 21/63 (2011.01) H04N 7/15 (2006.01)**
[25] EN
[54] **SYNCHRONOUS VIDEO CONTENT COLLABORATION ACROSS MULTIPLE CLIENTS IN A DISTRIBUTED COLLABORATION SYSTEM**
[54] **COLLABORATION DE CONTENU VIDEO SYNCHRONE ENTRE DE MULTIPLES CLIENTS DANS UN SYSTEME DE COLLABORATION REPARTI**
[72] KIRYANOV, YURI, US
[72] CHANDA, RUPEN, US
[71] HAWORTH, INC., US
[22] 2021-03-05
[41] 2021-09-09
[30] US (16/845,983) 2020-04-10
[30] US (62/987,210) 2020-03-09

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[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01) G16Z 99/00 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MANAGING DIGITAL LOOKS**
[54] **METHODES ET SYSTEMES POUR GERER DES APPARENCES NUMERIQUES**
[72] OAK, SO-YEON, US
[72] SIMPSON, PETER TAYLOR, US
[72] SVYATOSLAVOVICH, HUBENYA SVYATOSLAV, US
[72] CHEN, ALICE, US
[72] MEZA, ALEJANDRA, US
[72] ARP, RYAN, US
[71] STELLA & DOT LLC, US
[22] 2021-03-05
[41] 2021-09-06
[30] US (62/986,214) 2020-03-06

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[51] **Int.Cl. H01S 5/06 (2006.01) B81B 7/00 (2006.01) G02B 5/28 (2006.01) G02B 6/12 (2006.01) G05B 11/42 (2006.01) H01S 3/13 (2006.01) H01S 5/187 (2006.01)**
[25] EN
[54] **TUNABLE LASER ASSEMBLY AND METHOD OF CONTROL**
[54] **ENSEMBLE LASER AJUSTABLE ET METHODE DE COMMANDE**
[72] HEIM, PETER, US
[72] WANG, JIANFEI, US
[72] MERTZ, JACOB, US
[72] HRYNIEWICZ, JOHN, US
[71] THORLABS QUANTUM ELECTRONICS, INC., US
[22] 2021-03-05
[41] 2021-09-09
[30] US (62/987,102) 2020-03-09
[30] US (62/989,007) 2020-03-13

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[51] **Int.Cl. H01S 5/02251 (2021.01) H01S 5/02326 (2021.01) A61B 5/00 (2006.01) H01S 5/183 (2006.01)**
[25] EN
[54] **TUNABLE LASER ASSEMBLY**
[54] **ENSEMBLE LASER AJUSTABLE**
[72] HEIM, PETER J. S., US
[72] HRYNIEWICZ, JOHN, US
[72] MERTZ, JACOB, US
[72] WANG, JIANFEI, US
[71] THORLABS QUANTUM ELECTRONICS, INC., US
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[41] 2021-09-09
[30] US (62/987,102) 2020-03-09
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[51] **Int.Cl. C25C 7/02 (2006.01) C25C 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR THE MANUFACTURE OF INSOLUBLE LEAD ANODES, USED IN ELECTROWINNING OR ELECTRO-REFINING PROCESSES OF HIGH PURITY METALS**
[54] **METHODE DE FABRICATION D'ANODES DE PLOMB INSOLUBLES UTILISEES DANS LES PROCEDES D'EXTRACTION OU DE RAFFINEMENT ELECTROLYTIQUE DE METAUX TRES PURS**
[72] MOUTHON, HORACIO RAFART, CL
[72] ROSENDE, ANTONIO CARRACEDO, CL
[71] ANODOS DE CHILE S.A., CL
[22] 2021-03-05
[41] 2021-09-06
[30] CL (CL 0575-2020) 2020-03-06

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[51] **Int.Cl. H01R 27/02 (2006.01) H01R 13/74 (2006.01) H02G 3/14 (2006.01) H02J 3/02 (2006.01)**
[25] EN
[54] **ELECTRICAL POWER UNIT**
[54] **GROUPE ELECTROGENE**
[72] BYRNE, NORMAN R., US
[72] ROGERS, SHANE, US
[72] MARTUS, PAUL J., US
[72] LAUTENBACH, AARON G., US
[71] BYRNE, NORMAN R., US
[22] 2021-03-05
[41] 2021-09-06
[30] US (62/986247) 2020-03-06

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[51] **Int.Cl. B62D 37/02 (2006.01) H04W 4/02 (2018.01) B62D 35/00 (2006.01) G09F 17/00 (2006.01) G09F 21/04 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR MOVING VEHICLES**
[54] **DISPOSITIFS, SYSTEMES ET METHODES POUR DEPLACER DES VEHICULES**
[72] BRERETON, TIMOTHY, US
[72] WILL, CHRISTOPHER, US
[72] SIMMONS, BRETT, US
[71] INRANGE TECHNOLOGIES, LLC, US
[22] 2021-03-05
[41] 2021-09-06
[30] US (62/986,259) 2020-03-06
[30] US (63/018,683) 2020-05-01
[30] US (63/080,225) 2020-09-18

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[13] A1
[51] **Int.Cl. E06B 9/68 (2006.01) E06B 9/24 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING AN ELECTROSTATIC SHUTTER**
[54] **SYSTEMES ET METHODES DE COMMANDE D`UN OBTURATEUR ELECTROSTATIQUE**
[72] TOMCZYK, SEBASTIAN TOMASZ, US
[71] PELLA CORPORATION, US
[22] 2021-03-04
[41] 2021-09-10
[30] US (62/987466) 2020-03-10

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[13] A1
[51] **Int.Cl. A61J 1/20 (2006.01) A61J 1/14 (2006.01)**
[25] EN
[54] **CONE-SHAPED BOTTLE TOP INSERT TO FULLY EXTRACT LIQUID**
[54] **PIECE RAPPORTEE SUPERIEURE DE BOUTEILLE CONIQUE POUR EXTRAIRE COMPLETEMENT UN LIQUIDE**
[72] OVANS, CAROL L., CA
[71] OVANS, CAROL L., CA
[22] 2021-03-10
[41] 2021-09-10

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[13] A1
[51] **Int.Cl. B60R 21/013 (2006.01) B60W 50/14 (2020.01) B60R 21/34 (2011.01)**
[25] EN
[54] **ADVANCED PEDESTRIAN AND/OR DRIVER ALERT AND/OR COLLISION AVOIDANCE SYSTEM**
[54] **SYSTEME AVANCE D`ALERTE AUX PIETONS ET/OU AUX CONDUCTEURS ET/OU D`EVITEMENT DES COLLISIONS**
[72] ENGLANDER, BENJAMIN, US
[72] DEAN, CLAYTON, US
[72] POLIMENI, JOHN, US
[72] CACIC, MICHAEL, US
[72] LOCOTETA, MATHEW, US
[72] SERER, JULIAN, US
[71] ROSCO INC., US
[22] 2021-03-10
[41] 2021-09-11
[30] US (62/988,314) 2020-03-11

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[13] A1
[51] **Int.Cl. F16K 5/08 (2006.01) F25B 41/20 (2021.01) G01K 13/02 (2021.01)**
[25] EN
[54] **ANGLE BALL VALVE HAVING INTEGRATED SENSOR**
[54] **ROBINET A TOURNANT SPHERIQUE INCLINE AYANT UN CAPTEUR INTEGRE**
[72] BONOMI, VITTORIO, US
[71] BONOMI, VITTORIO, US
[22] 2021-03-05
[41] 2021-09-10
[30] US (16/813,797) 2020-03-10

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[13] A1
[51] **Int.Cl. B66F 9/075 (2006.01) B60W 50/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EVALUATION OF VEHICLE PARAMETERS OF A REMOTELY CONTROLLABLE MATERIAL HANDLING VEHICLE**
[54] **SYSTEMES ET METHODES D`EVALUATION DES PARAMETRES D`UN VEHICULE DE MANUTENTION CONTROLABLE A DISTANCE**
[72] GARRISON, THEODORE C., III, US
[71] THE RAYMOND CORPORATION, US
[22] 2021-03-05
[41] 2021-09-06
[30] US (62/986299) 2020-03-06

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[13] A1
[51] **Int.Cl. B01D 21/01 (2006.01) B03B 9/02 (2006.01) C10G 1/04 (2006.01)**
[25] EN
[54] **WATER MANAGEMENT SYSTEM FOR OIL SANDS TAILINGS**
[54] **SYSTEME DE GESTION DES EAUX RELATIVEMENT AUX RESIDUS DE SABLES BITUMINEUX**
[72] PAINTER, PAUL C., US
[72] MILLER, BRUCE G., US
[72] LUPINSKY, ARON, US
[71] EXTRAKT PROCESS SOLUTIONS, LLC, US
[22] 2021-03-05
[41] 2021-09-05
[30] US (62/985,489) 2020-03-05

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[13] A1
[51] **Int.Cl. F16C 37/00 (2006.01) B06B 1/16 (2006.01) E02D 7/18 (2006.01) F16C 35/00 (2006.01)**
[25] EN
[54] **BEARING COOLING SYSTEMS AND METHODS FOR VIBRATORY PILE DRIVERS**
[54] **SYSTEMES ET METHODES DE REFROIDISSEMENT DE COUSSINETS POUR DES SONNETTES VIBRATOIRES**
[72] KLEKOTKA, JOSEPH M., US
[71] AMERICAN PILEDRIVING EQUIPMENT, INC., US
[22] 2021-03-05
[41] 2021-09-09
[30] US (62/986,983) 2020-03-09
[30] US (17/192,456) 2021-03-04

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[13] A1
[51] **Int.Cl. A01N 63/32 (2020.01) A01M 1/00 (2006.01) A01M 1/20 (2006.01) A01P 7/04 (2006.01) C12N 1/16 (2006.01)**
[25] EN
[54] **METHODS OF MULTI-SPECIES INSECT PEST CONTROL**
[54] **METHODE DE CONTROLE DE PLUSIEURS ESPECES D`INSECTES NUISIBLES**
[72] LEE, KWANG-ZIN, DE
[72] VILCINSKAS, ANDREAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[22] 2021-03-05
[41] 2021-09-05
[30] EP (20161166.2) 2020-03-05

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[13] A1
[51] **Int.Cl. G05D 1/02 (2020.01) B66F 9/075 (2006.01) G05B 7/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROL OF A REMOTELY CONTROLLABLE MATERIAL HANDLING VEHICLE**
[54] **SYSTEMES ET METHODES DE COMMANDE D`UN VEHICULE DE MANUTENTION CONTROLABLE A DISTANCE**
[72] GARRISON, THEODORE C., III, US
[71] THE RAYMOND CORPORATION, US
[22] 2021-03-05
[41] 2021-09-06
[30] US (62/986293) 2020-03-06

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[51] **Int.Cl. H04W 24/02 (2009.01) H04W 16/24 (2009.01) H04B 17/318 (2015.01)**
[25] EN
[54] **EVALUATION OF ACCESS POINT PLACEMENT**
[54] **EVALUATION DU POSITIONNEMENT DES POINTS D'ACCES**
[72] MOREMAN, CHARLES STEPHENS, US
[72] POTLURU, VAMSI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2021-03-05
[41] 2021-09-05
[30] US (16/810,356) 2020-03-05

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[13] A1
[51] **Int.Cl. B07B 1/46 (2006.01)**
[25] EN
[54] **MODULAR, PRE-TENSIONED, SELF-CLEANING SCREENING PANELS**
[54] **PANNEAUX GRILLAGES MODULAIRES, PRE-TENDUS ET AUTONETTOYANTS**
[72] STEADMAN, ERICH, US
[72] SEYMOUR, BRYAN N., US
[71] BUFFALO WIRE WORKS COMPANY, INC., US
[22] 2021-03-08
[41] 2021-09-06
[30] US (62/986304) 2020-03-06

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[13] A1
[51] **Int.Cl. B62B 13/18 (2006.01) B62B 19/02 (2006.01)**
[25] EN
[54] **SKI ASSEMBLY FOR ATTACHMENT TO A BICYCLE**
[54] **ENSEMBLE DE SKIS A ATTACHER A UNE BICYCLETTE**
[72] LARSON, ZACH, CA
[72] NICOLL, WILLIAM, CA
[71] LARSON, ZACH, CA
[71] NICOLL, WILLIAM, CA
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[51] **Int.Cl. E01C 19/22 (2006.01) E01C 19/23 (2006.01) E01C 23/06 (2006.01)**
[25] EN
[54] **GRAVEL SCARIFYING AND LEVELLING DEVICE WITH INTEGRATED ROLLER DEVICE AND METHODS OF USE THEREOF**
[54] **DISPOSITIF DE PIOCHAGE ET DE NIVELAGE DE GRAVIER COMPRENANT UN ROULEAU INTEGRE ET METHODES D'UTILISATION CONNEXES**
[72] SCOTT, NORMAN L., CA
[71] SCOTT, NORMAN L., CA
[22] 2021-03-08
[41] 2021-09-09
[30] US (62/986,982) 2020-03-09

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[51] **Int.Cl. C13B 25/06 (2011.01) C13B 25/00 (2011.01) B01D 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING THE DEGREE BRIX IN AN AQUEOUS SOLUTION SUCH AS MAPLE SYRUP**
[54] **SYSTEME ET METHODE POUR CONTROLER LE DEGRE BRIX DANS UNE SOLUTION AQUEUSE, COMME DU SIROP D`ERABLE**
[72] LARIVIERE, JOCELYN, CA
[71] DOMINION & GRIMM INC., CA
[22] 2021-03-08
[41] 2021-09-10
[30] US (62/987,590) 2020-03-10

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[51] **Int.Cl. B65B 5/10 (2006.01) B65B 1/30 (2006.01) A61J 7/00 (2006.01)**
[25] EN
[54] **CONTINUOUS MOTION FILLING SYSTEM AND FILLING MACHINE AND METHODS**
[54] **SYSTEME DE REMPLISSAGE A MOUVEMENT CONTINU ET MACHINE ET METHODES DE REMPLISSAGE**
[72] LAJOIE, SIMON, CA
[72] LEBEL, ALEXANDRE, CA
[72] LAFORTUNE, MATHIEU, CA
[71] BLUE SKY VENTURES (ONTARIO) INC., CA
[22] 2021-03-08
[41] 2021-09-10
[30] US (62/987,555) 2020-03-10

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[13] A1
[51] **Int.Cl. G01N 21/31 (2006.01) G01N 21/39 (2006.01) G01J 3/433 (2006.01)**
[25] EN
[54] **MULTIPLE CONTAMINANTS NATURAL GAS ANALYSER**
[54] **ANALYSEUR DE GAZ NATUREL CONTENANT DE MULTIPLES POLLUANTS**
[72] HAYDT, DAVID D., CA
[72] FRISH, MICHAEL B., US
[72] CHEN, SHIN-JUH, US
[72] AUBUT, NICHOLAS F., US
[71] GALVANIC APPLIED SCIENCES INC., CA
[22] 2021-03-09
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[51] **Int.Cl. B65B 1/04 (2006.01) A61J 7/00 (2006.01) B65B 35/44 (2006.01)**
[25] EN
[54] **BULK FEEDING APPARATUS AND FILLING MACHINE AND METHOD**
[54] **APPAREIL D`ALIMENTATION EN VRAC ET MACHINE DE REMPLISSAGE ET METHODE**
[72] LEBEL, ALEXANDRE, CA
[72] LAJOIE, SIMON, CA
[71] BLUE SKY VENTURES (ONTARIO) INC., CA
[22] 2021-03-09
[41] 2021-09-10
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[13] A1
[51] **Int.Cl. F24F 13/20 (2006.01) F24F 1/009 (2019.01)**
[25] EN
[54] **HEATING AND COOLING APPLIANCE**
[54] **APPAREIL DE CHAUFFAGE ET DE REFROIDISSEMENT**
[72] VO, CUONG QUOC, CA
[72] SHULVER, DAVID, CA
[72] LI, ZHI, CA
[72] SIBERA, THISARU, CA
[72] WILTSHIRE, JACOB, CA
[71] WOLF STEEL LTD., CA
[22] 2021-03-09
[41] 2021-09-10
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[51] **Int.Cl. E02D 27/42 (2006.01) E02D 5/56 (2006.01) E02D 5/80 (2006.01) E02D 27/50 (2006.01) E04H 12/22 (2006.01)**
[25] EN
[54] **EMBEDDED POLE ADAPTER ASSEMBLY**
[54] **ENSEMBLE ADAPTATEUR DE POLE ENFOUI**
[72] FARIES, GUY L., US
[72] BEARD, DANIEL G., US
[71] MEYER UTILITY STRUCTURES, LLC, US
[22] 2021-03-09
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[51] **Int.Cl. A61L 2/26 (2006.01)**
[25] EN
[54] **DATA LOGGER FOR STERILIZER**
[54] **ENREGISTREUR DE DONNEES POUR UN DISPOSITIF DE STERILISATION**
[72] HOSEY, DAVID, US
[72] HALL, DOUGLAS, US
[72] BAUMANN, STEFFEN, US
[72] BALTRIP, ZACHARY, US
[72] BENNING, GARY, US
[71] MIDMARK CORPORATION, US
[22] 2021-03-09
[41] 2021-09-09
[30] US (62/987,087) 2020-03-09

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[13] A1
[51] **Int.Cl. B60P 1/43 (2006.01)**
[25] EN
[54] **TRANSPORTER HAVING LOWERABLE BED**
[54] **TRANSPORTEUR AYANT UN LIT POUVANT ETRE ABAISSE**
[72] ROSKOPF, DENNIS, US
[71] METALCRAFT OF MAYVILLE, INC., US
[22] 2021-03-09
[41] 2021-09-09
[30] US (62/987,166) 2020-03-09

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[13] A1
[51] **Int.Cl. B23Q 17/20 (2006.01) B27B 31/00 (2006.01) B27B 31/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFYING A MACHINE TOOL HAVING PROCESSED A WOOD PIECE**
[54] **SYSTEME ET METHODE POUR DETERMINER UNE MACHINE-OUTIL AYANT USINE UNE PIECE DE BOIS**
[72] MORISSETTE, GUY, CA
[72] BEAUDET, GABRIEL, CA
[72] PREVOST, ALEXANDRE, CA
[72] CLEMENT, FRANCIS, CA
[71] BID GROUP TECHNOLOGIES LTD., CA
[22] 2021-03-09
[41] 2021-09-09
[30] US (62/986,927) 2020-03-09

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[13] A1
[51] **Int.Cl. B05C 17/01 (2006.01)**
[25] EN
[54] **HAND TOOL FOR APPLICATION OF A VISCOUS MATERIAL WITH MOVABLE GUIDE**
[54] **OUTIL A MAIN POUR L'APPLICATION D'UNE MATIERE VISQUEUSE AU MOYEN D'UN GUIDE MOBILE**
[72] SMITH, CARL, CA
[71] SMITH, CARL, CA
[22] 2021-03-09
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[30] US (62/986917) 2020-03-09

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[13] A1
[51] **Int.Cl. E05D 3/02 (2006.01)**
[25] EN
[54] **DOOR HINGE**
[54] **CHARNIERE DE PORTE**
[72] HARRIS, BRIAN, CA
[71] ECKEL INDUSTRIES OF CANADA LIMITED, CA
[22] 2021-03-10
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[30] US (62/987,622) 2020-03-10

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[51] **Int.Cl. H04M 3/436 (2006.01) H04W 4/16 (2009.01) H04W 12/12 (2021.01) G06Q 20/10 (2012.01) G06F 40/20 (2020.01)**
[25] EN
[54] **PERFORMING A CUSTOM ACTION DURING CALL SCREENING BASED ON A PURPOSE OF AVOICE CALL**
[54] **REALISATION D`UNE ACTION PERSONNALISEE LORS D`UNE VERIFICATION D`APPEL DANS LE BUT D`UN APPEL VOCAL**
[72] WAY, BRENDAN, US
[72] GIBILTERRA, KAYLYN, US
[72] BENKREIRA, ABDELKADER M'HAMED, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2021-03-10
[41] 2021-09-11
[30] US (16/815754) 2020-03-11

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[13] A1
[51] **Int.Cl. C23F 11/10 (2006.01) F16L 55/26 (2006.01) F16L 58/00 (2006.01) F17D 3/03 (2006.01) A01N 61/00 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **MICROBEDCIDAL COMPOSITION AND A METHOD FOR MITIGATING INTERNAL MICROBIOLOGICAL INFLUENCED CORROSION IN PETROLEUM TRANSPORTING PIPELINES**
[54] **COMPOSITION MICROBICIDE ET METHODE POUR ATTENUER LA CORROSION MICROBIOLOGIQUE INTERNE DANS LES PIPELINES DE TRANSPORT DE PETROLE**
[72] KUMAR, MANOJ, IN
[72] SAHOO, PRAKASH, IN
[72] RAMAKUMAR, SANKARA, IN
[72] AMIR, QAZI, IN
[72] PURI, SURESH, IN
[71] INDIAN OIL CORPORATION LIMITED, IN
[22] 2021-03-11
[41] 2021-09-11
[30] IN (202021010344) 2020-03-11

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[13] A1
[51] **Int.Cl. E21B 34/06 (2006.01)**
[25] EN
[54] **STANDING VALVE ASSEMBLY AND RELATED SYSTEMS FOR DOWNHOLE RECIPROCATING PUMP**
[54] **ASSEMBLAGE DE CLAPET FIXE ET SYSTEMES CONNEXES POUR UNE POMPE ALTERNATIVE EN FOND DE TROU**
[72] COYES, CORBIN, CA
[72] PATERSON, CURTIS, CA
[72] FRASER, GARTH JOHN, CA
[71] Q2 ARTIFICIAL LIFT SERVICES ULC, CA
[22] 2021-06-04
[41] 2021-09-09
[30] US (63/035,466) 2020-06-05

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[51] **Int.Cl. F21S 10/00 (2006.01) H04W 4/80 (2018.01) F21V 5/00 (2018.01) F21V 9/00 (2018.01) F21V 14/00 (2018.01) G10K 15/04 (2006.01) H04R 9/06 (2006.01)**
[25] EN
[54] **INTELLIGENT AURORA BOREALIS PROJECTION LAMP**
[54] **LAMPE DE PROJECTION D'AURORE BOREALE INTELLIGENTE**
[72] ZHENG, CAIJIAN, CN
[72] OUYANG, WENZHEN, CN
[71] SHENZHEN SKOE TECHNOLOGY CO., LTD., CN
[22] 2021-06-25
[41] 2021-09-09
[30] CN (202110485815.3) 2021-04-30

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[51] **Int.Cl. A01J 5/00 (2006.01) A01J 5/017 (2006.01) A01J 7/00 (2006.01) A01J 7/02 (2006.01) A01K 1/12 (2006.01)**
[25] EN
[54] **AUTOMATIC COW MILKING DEVICE**
[54] **DISPOSITIF DE TRAITE DES VACHES AUTOMATIQUE**
[72] ROUSSEAU, VICTOR, CA
[72] SMITH, GILLES, CA
[72] LEBLANC, MARIO, CA
[72] PROVENCHER, MICHAEL, CA
[72] OUELLET, GILLES, CA
[71] LE GROUPE ROVIBEC INC., CA
[22] 2021-06-25
[41] 2021-09-08
[30] US (17/179,889) 2021-02-19

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[51] **Int.Cl. B23D 63/02 (2006.01)**
[25] EN
[54] **SAW TOOTH SETTER**
[54] **APPAREIL D'AVOYAGE DES DENTS DE SCIE**
[72] BIRKER CHRIS, CA
[71] NORWOOD INDUSTRIES INC., CA
[22] 2021-07-09
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[51] **Int.Cl. A61J 1/14 (2006.01) A61J 1/18 (2006.01) A61J 15/00 (2006.01) B65D 55/02 (2006.01)**
[25] EN
[54] **SELF-DESTRUCT-UPON-OPENING CAP APPLICABLE TO SMALL-DIAMETER CONNECTOR USED FOR GASTROINTESTINAL TRACT**
[54] **CAPUCHON AUTODESTRUCTEUR A L'OUVERTURE POUR CONNECTEUR DE PETIT DIAMETREUTILISE POUR UN TRACTUS GASTRO-INTESTINAL**
[72] BAI, BAODONG, CN
[71] BAI, BAODONG, CN
[85] 2020-12-02
[86] 2020-05-26 (PCT/CN2020/092301)
[87] (3101449)
[30] CN (202010152116.2) 2020-03-06

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[13] A1
[51] **Int.Cl. B60P 3/00 (2006.01) B60P 3/40 (2006.01) B62D 53/06 (2006.01)**
[25] EN
[54] **HEAVY-LOAD VEHICLE**
[54] **VEHICULE A CHARGE LOURDE**
[72] HAFELE, HORST, DE
[71] GOLDHOFER AG, DE
[85] 2021-03-12
[86] 2020-03-05 (PCT/EP2020/055881)
[87] (3111959)

[21] **3,116,388**
[13] A1
[51] **Int.Cl. A24F 40/85 (2020.01)**
[25] EN
[54] **CLEANING KIT FOR AEROSOL GENERATING DEVICE**
[54] **TROUSSE DE NETTOYAGE POUR UN DISPOSITIF PULVERISATEUR**
[72] AN, HWI KYEONG, KR
[72] KIM, JONG MYUNG, KR
[72] YOON, SEOK SUN, KR
[72] LEE, JONG IK, KR
[72] YIM, SEUNG PEEL, KR
[71] KT&G CORPORATION, KR
[85] 2021-04-23
[86] 2020-12-04 (PCT/KR2020/017618)
[87] (3116388)
[30] KR (10-2020-0030386) 2020-03-11

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[51] **Int.Cl. A61K 31/165 (2006.01) A61K 36/8984 (2006.01) A61P 3/10 (2006.01) A61P 29/00 (2006.01) B01D 11/02 (2006.01)**
[25] EN
[54] **PROCESS FOR EXTRACTING COMPOUNDS FROM DENDROBIUM NOBILE LINDL. AND APPLICATION THEREOF**
[54] **PROCEDE D`EXTRACTION DE COMPOSES DU DENDROBIUM NOBILE (LINDL.) ET APPLICATION CONNEXE**
[72] ZENG, JUN, CN
[72] CHEN, HUIQIN, CN
[72] DAI, HAOFU, CN
[72] CAO, XUE, CN
[72] MEI, WENLI, CN
[71] INSTITUTE OF TROPICAL BIOSCIENCE AND BIOTECHNOLOGY, CHINESE ACADEMY OF TROPICAL AGRICULTURAL SCIENCES, CN
[85] 2021-05-04
[86] 2020-12-09 (PCT/CN2020/134917)
[87] (3117196)
[30] CN (202010159498.1) 2020-03-11

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[13] A1
[51] **Int.Cl. G06F 21/55 (2013.01) G06F 7/00 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING DATA ANOMALIES BY ANALYSING MORPHOLOGIES OF KNOWN AND/OR UNKNOWN CYBERSECURITY THREATS**
[54] **SYSTEME ET METHODE POUR DETECTER DES ANOMALIES DE DONNEES EN ANALYSANT LES MORPHOLOGIES DE CYBERMENACES CONNUES ET/OU INCONNUES**
[72] LING, CHAN MEI, SG
[72] BOUGUERRA, NIZAR, SG
[71] FLEXXON PTE. LTD., SG
[85] 2021-08-24
[86] 2020-07-30 (PCT/SG2020/050441)
[87] (3125101)
[30] SG (10202002125Q) 2020-03-09

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[13] A1
[51] **Int.Cl. F24F 1/028 (2019.01) F24F 1/027 (2019.01) F24F 1/029 (2019.01) F24F 1/0323 (2019.01)**
[25] EN
[54] **AIR INTAKE AND EXHAUST ASSEMBLY AND PACKAGED AIR CONDITIONER**
[54] **ENSEMBLE DE PRISE ET D'EVACUATION D'AIR, ET CONDITIONNEUR D'AIR MONOBLOC**
[72] XING, ZHIGANG, CN
[72] ZHAO, ELI, CN
[71] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[85] 2021-07-22
[86] 2020-04-30 (PCT/CN2020/088358)
[87] (3126372)
[30] CN (202010161781.8) 2020-03-10
[30] CN (202020288838.6) 2020-03-10

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[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING DYNAMIC AND DEEP NAVIGATION OF WEB PAGES USING KEYBOARD NAVIGATION**
[54]
[72] BARBHAYA, SAGAR BHARAT, US
[72] DRAKE, THEODORE C., US
[72] MANJEGOVVDA, NISCHITH BAGIVALU, US
[72] KNUDTSON, ERIC, US
[71] INTUIT INC., US
[85] 2021-08-10
[86] 2020-07-01 (PCT/US2020/040396)
[87] (3127670)
[30] US (16/806,239) 2020-03-02

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[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61K 51/10 (2006.01) A61P 27/02 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **METHODS OF TREATING OCULAR CANCER USING ANTI-MET ANTIBODIES AND BISPECIFIC ANTIGEN BINDING MOLECULES THAT BIND MET**
[54] **METHODES DE TRAITEMENT DU CANCER OCULAIRE A L'AIDE D'ANTICORPS ANTI-MET ET DE MOLECULES BISPECIFIQUES DE LIAISON A L'ANTIGENE QUI SE LIENT A MET**
[72] SCHWARTZ, GARY, US
[72] SURRIGA, OLIVER, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2021-07-30
[86] 2020-02-20 (PCT/US2020/019126)
[87] (WO2020/172475)
[30] US (62/808,839) 2019-02-21
[30] US (62/823,788) 2019-03-26

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[13] A1
[51] **Int.Cl. A61B 18/12 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **MODULAR DOCKING SYSTEM FOR ELECTROSURGICAL EQUIPMENT**
[54] **SYSTEME D'ACCUEIL MODULAIRE POUR EQUIPEMENT ELECTROCHIRURGICAL**
[72] FRAME, DAN, US
[72] COOK, JOHN, US
[71] CONMED CORPORATION, US
[85] 2021-07-30
[86] 2020-02-26 (PCT/US2020/019821)
[87] (WO2020/176578)
[30] US (62/810,486) 2019-02-26

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[13] A1
[51] **Int.Cl. A61K 31/505 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **ADMINISTRATION OF SUMO-ACTIVATING ENZYME INHIBITOR AND CHECKPOINT INHIBITORS**
[54] **ADMINISTRATION D'INHIBITEUR D'ENZYME D'ACTIVATION SUMO ET INHIBITEURS DE POINTS DE CONTROLE**
[72] PULUKURI, SAI MURALI KRISHNA, US
[71] MILLENNIUM PHARMACEUTICALS, INC., US
[85] 2021-07-30
[86] 2020-02-27 (PCT/US2020/020171)
[87] (WO2020/176772)
[30] US (62/811,303) 2019-02-27

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01)**
[25] EN
[54] **PRESERVED FORMULATIONS**
[54] **FORMULATIONS CONSERVEES**
[72] MISHRA, DINESH SHYAMDEO, US
[72] QIAN, KEN KANGYI, US
[71] ELI LILLY AND COMPANY, US
[85] 2021-07-30
[86] 2020-03-11 (PCT/US2020/022111)
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[30] US (62/819,096) 2019-03-15

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[13] A1
[51] **Int.Cl. A47G 9/02 (2006.01) A47G 9/00 (2006.01) A47G 9/10 (2006.01)**
[25] EN
[54] **CUSHIONED COVERS FOR CUSHIONS**
[54] **REVETEMENTS REMBOURRES POUR COUSSINS**
[72] TAYLOR, ROBERT WAYNE, US
[72] WHATCOTT, RUSSELL B., US
[72] ROGERS, MATTHEW ECCLES, US
[72] ACHARYA, DHYEY Y., US
[72] SALDANA, LIDIA, US
[71] PURPLE INNOVATION, LLC, US
[85] 2021-07-30
[86] 2020-06-15 (PCT/US2020/037777)
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[30] US (62/861,138) 2019-06-13

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[13] A1
[51] **Int.Cl. G08B 13/24 (2006.01) G06Q 10/08 (2012.01) G06K 19/07 (2006.01)**
[25] EN
[54] **VEHICLE CENTRIC LOGISTICS MANAGEMENT**
[54] **GESTION LOGISTIQUE CENTREE SUR DES VEHICULES**
[72] VOLKERINK, ERIC, US
[72] KHOCHE, AJAY, US
[71] TRACKONOMY SYSTEMS, INC., US
[85] 2021-08-02
[86] 2020-01-22 (PCT/US2020/014521)
[87] (WO2020/159763)
[30] US (62/800,420) 2019-02-01

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[13] A1
[51] **Int.Cl. C07H 21/04 (2006.01) A61K 35/30 (2015.01)**
[25] EN
[54] **INTERNEURON-SPECIFIC THERAPEUTICS FOR NORMALIZING NEURONAL CELL EXCITABILITY AND TREATING DRAVET SYNDROME**
[54] **AGENTS THERAPEUTIQUES INTERNEURONES SPECIFIQUES PERMETTANT DE NORMALISER L'EXCITABILITE DES CELLULES NEURONALES ET DE TRAITER LE SYNDROME DE DRAVET**
[72] DIMIDSCHSTEIN, JORDANE, US
[72] FISHELL, GORDON, US
[72] DEVINSKY, ORRIN, US
[71] THE BROAD INSTITUTE, INC., US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[71] NEW YORK UNIVERSITY, US
[85] 2021-08-02
[86] 2020-01-27 (PCT/US2020/015183)
[87] (WO2020/163102)
[30] US (62/801,483) 2019-02-05
[30] US (62/823,281) 2019-03-25
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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01) C12N 5/16 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **MONOCLONAL ANTIBODIES AGAINST MHC-BOUND HUMAN DICKKOPF-1 PEPTIDES AND USES THEREOF**
[54] **ANTICORPS MONOCLONAUX CONTRE DES PEPTIDES DICKKOPF-1 HUMAINS LIES AU MHC ET LEURS UTILISATIONS**
[72] YL, QING, US
[72] QIAN, JIANFEI, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2021-08-02
[86] 2020-02-03 (PCT/US2020/016364)
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[13] A1
[51] **Int.Cl. B29B 11/16 (2006.01) B29C 70/34 (2006.01) B29C 70/44 (2006.01)**
[25] FR
[54] **TOOL FOR PREFORMING A FIBROUS PREFORM AND METHOD FOR PREFORMING A FIBROUS PREFORM**
[54] **OUTILLAGE DE PREFORMAGE D'UNE PREFORME FIBREUSE ET PROCEDE DE PREFORMAGE D'UNE PREFORME FIBREUSE**
[72] BIENVENU, STEVEN, GERARD, JOSEPH, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
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[87] (WO2020/193921)
[30] FR (1903191) 2019-03-27

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[25] EN
[54] **TRANSGLUTAMINASE CONJUGATION METHOD WITH A GLYCINE BASED LINKER**
[54] **PROCEDE DE CONJUGAISON DE TRANSGLUTAMINASE AVEC UN LIEUR A BASE DE GLYCINE**
[72] SCHIBLI, ROGER, CH
[72] BEHE, ROGER, CH
[72] SPYCHER, PHILIPP, CH
[72] FREI, JULIA, CH
[72] WEHRMULLER, JORI, CH
[71] PAUL SCHERRER INSTITUT, CH
[85] 2021-08-26
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[30] EP (19163810.5) 2019-03-19

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[51] **Int.Cl. C08G 18/20 (2006.01) C08J 9/04 (2006.01)**
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[54] **AMINE COMPOSITION USEFUL FOR MAKING STABLE POLYURETHANE FOAM SYSTEMS**
[54] **COMPOSITION D'AMINE UTILE DANS LA FABRICATION DE SYSTEMES DE MOUSSE DE POLYURETHANE STABLE**
[72] BURDENIUC, JUAN JESUS, US
[72] TOBIAS, JAMES DOUGLAS, US
[72] MILLER, TIMOTHY JOSEPH, US
[72] SINGH, MAYANK PRATAP, US
[72] VANDERSANDE, DAVID, US
[71] EVONIK OPERATIONS GMBH, DE
[85] 2021-08-26
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[30] US (62/811,954) 2019-02-28

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[51] **Int.Cl. C12N 15/11 (2006.01) A61K 47/54 (2017.01) C07H 15/04 (2006.01)**
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[54] **LIGAND CLUSTERS AND METHODS OF THEIR USE AND PREPARATION**
[54] **AGREGATS A LIGANDS ET PROCEDES D'UTILISATION ET DE PREPARATION**
[72] BOGOJESKI, JOVANKA, CA
[71] DEEP GENOMICS INCORPORATED, CA
[85] 2021-08-26
[86] 2020-02-28 (PCT/CA2020/050272)
[87] (WO2020/172755)
[30] US (62/812,201) 2019-02-28

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[51] **Int.Cl. A61N 1/40 (2006.01)**
[25] FR
[54] **MICROFLUIDIC CHIP FOR ATTRACTING AND DESTROYING A SPECIFIC BIOLOGICAL ELEMENT**
[54] **PUCE MICROFLUIDIQUE POUR ATTIRER ET DETRUIRE UN ELEMENT BIOLOGIQUE SPECIFIQUE**
[72] CHARLOT, BENOIT, FR
[72] RAMIREZ, JEAN-MARIE, FR
[72] MEANCE, SEBASTIEN, FR
[72] GARRIC, XAVIER, FR
[72] PINESE, COLINE, FR
[72] GUIRAUD, ISABELLE, FR
[71] UNIVERSITE DE MONTPELLIER, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] ECOLE NATIONALE SUPERIEURE DE CHIMIE DE MONTPELLIER (ENSCM), FR
[85] 2021-08-26
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[87] (WO2020/188198)
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[25] FR
[54] **DRY PUMP FOR GAS AND SET OF A PLURALITY OF DRY PUMPS FOR GAS**
[54] **POMPE SECHE POUR GAZ ET JEU DE PLUSIEURS POMPES SECHES POUR GAZ**
[72] ILTCHEV, THEODORE, FR
[72] VARRIN, STEPHANE, CH
[72] MULLER, DIDIER, CH
[71] ATELIERS BUSCH S.A., CH
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[51] **Int.Cl. G06Q 10/10 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ANALYZING ELECTRONIC COMMUNICATIONS AND CUSTOMER INFORMATION TO RECOGNIZE AND MITIGATE MESSAGE-BASED ATTACKS**
[54] **PROCEDE ET SYSTEME POUR ANALYSER DES COMMUNICATIONS ELECTRONIQUES ET DES INFORMATIONS DE CLIENT POUR RECONNAITRE ET ATTENUER DES ATTAQUES BASEES SUR DES MESSAGES**
[72] KESSLER, JOSEPH, US
[72] COETZEE, ANDRE, US
[72] VERDEYEN, DAN, US
[72] BELLAM, SURESH, US
[71] CDW LLC, US
[85] 2021-08-26
[86] 2020-02-25 (PCT/US2020/019654)
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[30] US (16/290,803) 2019-03-01

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[51] **Int.Cl. G09G 3/36 (2006.01) G09G 3/3225 (2016.01) G09G 3/32 (2016.01)**
[25] EN
[54] **REDUNDANT DISPLAY SYSTEMS AND METHODS FOR USE THEREOF IN SAFETY CRITICAL APPLICATIONS**
[54] **SYSTEMES D'AFFICHAGE REDONDANTS ET LEURS PROCEDES D'UTILISATION DANS DES APPLICATIONS CRITIQUES POUR LA SECURITE**
[72] ECHOLS, GREGORY FRANK, US
[72] WALSH, KEVIN LEIGH, US
[72] BAILEY, CHRISTOPHER A., US
[71] ECHOLS, GREGORY FRANK, US
[71] WALSH, KEVIN LEIGH, US
[71] BAILEY, CHRISTOPHER A., US
[85] 2021-08-27
[86] 2020-03-01 (PCT/US2020/020568)
[87] (WO2020/180757)
[30] US (62/812,873) 2019-03-01
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[51] **Int.Cl. A61K 38/17 (2006.01) A61K 31/7105 (2006.01) A61K 47/10 (2017.01) C07K 14/475 (2006.01) C12N 15/10 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **COMPOSITIONS, METHODS, AND KITS FOR DELIVERY OF POLYRIBONUCLEOTIDES**
[54] **COMPOSITIONS, PROCEDES, ET KITS POUR L'ADMINISTRATION DE POLYRIBONUCLEOTIDES**
[72] KAHVEJIAN, AVAK, US
[72] PLUGIS, NICHOLAS MCCARTNEY, US
[72] DE BOER, ALEXANDRA SOPHIE, US
[72] CARMONA, ELLESE MARIE, US
[72] STEWART, MORAG HELEN, US
[72] HAJJAR, ROGER JOSEPH, US
[71] FLAGSHIP PIONEERING INNOVATIONS VI, LLC, US
[85] 2021-08-27
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[51] **Int.Cl. A61K 31/7105 (2006.01) C12N 15/10 (2006.01) C12N 15/87 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **CIRCULAR POLYRIBONUCLEOTIDES AND PHARMACEUTICAL COMPOSITIONS THEREOF**
[54] **POLYRIBONUCLEOTIDES CIRCULAIRES ET COMPOSITIONS PHARMACEUTIQUES ASSOCIEES**
[72] KAHVEJIAN, AVAK, US
[72] PLUGIS, NICHOLAS MCCARTNEY, US
[72] DE BOER, ALEXANDRA SOPHIE, US
[72] CIFUENTES-ROJAS, CATHERINE, US
[72] PAEK, KI YOUNG, US
[72] MELFI, MICHAEL DONATO, US
[71] FLAGSHIP PIONEERING INNOVATIONS VI, LLC, US
[85] 2021-08-27
[86] 2020-03-04 (PCT/US2020/021037)
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[30] US (62/825,683) 2019-03-28
[30] US (62/840,174) 2019-04-29
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[51] **Int.Cl. H02H 5/10 (2006.01)**
[25] EN
[54] **CONTROLLING AN ELECTRICAL SUPPLY TO AN APPLIANCE**
[54] **COMMANDER UNE ALIMENTATION ELECTRIQUE D'UN APPAREIL**
[72] SUTTON, LEE ROBERT, GB
[72] RICHARD, ROBIN LOIC, GB
[71] MYENERGI LTD, GB
[85] 2021-08-27
[86] 2020-02-19 (PCT/GB2020/050387)
[87] (WO2020/174217)
[30] GB (1902740.8) 2019-02-28

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[51] **Int.Cl. H01L 31/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ENERGY STORAGE USING PHOSPHORESCENCE AND WAVEGUIDES**
[54] **SYSTEMES ET PROCEDES D'ACCUMULATION D'ENERGIE FAISANT APPEL A LA PHOSPHORESCENCE ET A DES GUIDES D'ONDES**
[72] DIGGINS, ALEX, US
[71] NIMBUS ENGINEERING INC., US
[85] 2021-08-27
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[51] **Int.Cl. A61K 8/60 (2006.01)**
[25] EN
[54] **POLYRIBONUCLEOTIDES AND COSMETIC USES THEREOF**
[54] **POLYRIBONUCLEOTIDES ET LEURS UTILISATIONS COSMETIQUES**
[72] KAHVEJIAN, AVAK, US
[72] PLUGIS, NICHOLAS MCCARTNEY, US
[72] DE BOER, ALEXANDRA SOPHIE, US
[72] CARMONA, ELLESE MARIE, US
[72] STEWART, MORAG HELEN, US
[71] FLAGSHIP PIONEERING INNOVATIONS VI, LLC, US
[85] 2021-08-27
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[51] **Int.Cl. D06M 15/00 (2006.01) D06M 23/10 (2006.01)**
[25] EN
[54] **STABILIZATION OF FABRIC SURFACES**
[54] **STABILISATION DE SURFACES DE TISSU**
[72] REES, JOHN JOSEPH MATTHEWS, US
[72] TSIARKEZOS, STEPHEN HORACE, US
[72] ZAFIROGLU, DIMITRI, US
[72] DANIELL, ANTHONY, US
[71] ENGINEERED FLOORS LLC, US
[85] 2021-08-27
[86] 2020-03-04 (PCT/US2020/020919)
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[30] US (16/292,834) 2019-03-05

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[51] **Int.Cl. F16D 66/02 (2006.01)**
[25] EN
[54] **WHEEL END BRAKE PAD WEAR SENSOR**
[54] **CAPTEUR D'USURE DE PLAQUETTE DE FREIN DE ROUE**
[72] RUIZ, JAVIER A., US
[72] PURGASON, SCOTT, US
[72] JONES, ADAM P., US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[85] 2021-08-27
[86] 2020-03-25 (PCT/US2020/024546)
[87] (WO2020/205343)
[30] US (16/369,634) 2019-03-29

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[25] EN
[54] **AUTHENTICATION OF A CONTAINER AND/OR PRODUCT PACKAGED THEREIN**
[54] **AUTHENTIFICATION D'UN CONTENANT ET/OU D'UN PRODUIT EMBALLE DANS CELUI-CI**
[72] SMITH, ROGER P., US
[72] BRYANT, JESSICA R., US
[71] OWENS-BROCKWAY GLASS CONTAINER INC., US
[85] 2021-08-30
[86] 2020-03-02 (PCT/US2020/020638)
[87] (WO2020/180779)
[30] US (16/294,602) 2019-03-06

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[13] A1
[51] **Int.Cl. B29C 64/112 (2017.01) B29C 64/124 (2017.01)**
[25] EN
[54] **THREE-DIMENSIONAL PRINTING ON GLASS CONTAINERS**
[54] **IMPRESSION EN TROIS DIMENSIONS SUR DES RECIPIENTS EN VERRE**
[72] CHISHOLM, BRIAN J., US
[72] CHARRETTON, CEDRIC, FR
[72] DANGMANN, OLIVIER, FR
[72] MISFUD, EVA, FR
[72] SMITH, SUSAN L., US
[72] VALETTE, LUDOVIC, US
[71] OWENS-BROCKWAY GLASS CONTAINER INC., US
[85] 2021-08-30
[86] 2020-02-17 (PCT/US2020/018497)
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[30] US (16/294,414) 2019-03-06

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[51] **Int.Cl. C03C 17/32 (2006.01) G01N 21/896 (2006.01)**
[25] EN
[54] **REPAIRING AN OUTER SURFACE OF A GLASS PRODUCT**
[54] **REPARATION D'UNE SURFACE EXTERIEURE D'UN PRODUIT EN VERRE**
[72] CHISHOLM, BRIAN J., US
[71] OWENS-BROCKWAY GLASS CONTAINER INC., US
[85] 2021-08-30
[86] 2020-03-04 (PCT/US2020/020865)
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[51] **Int.Cl. B29C 64/112 (2017.01) B29C 64/264 (2017.01)**
[25] EN
[54] **THREE-DIMENSIONAL PRINTING OF A POROUS MATRIX ON A CONTAINER**
[54] **IMPRESSION TRIDIMENSIONNELLE D'UNE MATRICE POREUSE SUR UN CONTENANT**
[72] CHISHOLM, BRIAN J., US
[71] OWENS-BROCKWAY GLASS CONTAINER INC., US
[85] 2021-08-30
[86] 2020-03-04 (PCT/US2020/020857)
[87] (WO2020/180908)
[30] US (16/294,434) 2019-03-06

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[51] **Int.Cl. E04F 15/02 (2006.01)**
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[54] **JOINT FOR STRIP FLOORS**
[54] **JOINT POUR PLANCHERS EN BANDES**
[72] GARBELOTTO, ANTONIO, IT
[71] PARCHETTIFICIO GARBELOTTO S.R.L., IT
[85] 2021-08-30
[86] 2020-03-11 (PCT/IB2020/052129)
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[30] IT (102019000003627) 2019-03-13

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[51] **Int.Cl. G01N 33/48 (2006.01) C12Q 1/68 (2018.01) G01N 33/15 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **METHODS OF SCREENING AND COMPOUNDS FOR ADVERSE RESPONSE TO AN IMPLANT**
[54] **METHODES DE DEPISTAGE ET COMPOSES DESTINES A UNE REACTION INDESIRABLE A UN IMPLANT**
[72] LANGTON, DAVID, GB
[71] PXD LIMITED, GB
[85] 2021-08-30
[86] 2020-03-02 (PCT/GB2020/050497)
[87] (WO2020/178567)
[30] GB (1902779.6) 2019-03-01

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[51] **Int.Cl. F42B 14/06 (2006.01) F42B 8/04 (2006.01)**
[25] EN
[54] **ENHANCED POLYMER MARKING PROJECTILE FOR NONLETHAL CARTRIDGE**
[54] **PROJECTILE DE MARQUAGE POLYMERE AMELIORE POUR CARTOUCHE NON LETALE**
[72] LAFORTUNE, ERIC, CA
[71] GENERAL DYNAMICS ORDNANCE AND TACTICAL SYSTEMS-CANADA INC., CA
[85] 2021-08-30
[86] 2020-02-25 (PCT/CA2020/050240)
[87] (WO2020/176970)
[30] US (62/813,357) 2019-03-04

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[51] **Int.Cl. F16G 11/10 (2006.01)**
[25] EN
[54] **SECURING DEVICE**
[54] **DISPOSITIF DE FIXATION**
[72] REYNOLDS, THOMAS, GB
[71] GRIPPLE LIMITED, GB
[85] 2021-08-30
[86] 2020-02-21 (PCT/IB2020/051473)
[87] (WO2020/194075)
[30] GB (1904007.0) 2019-03-22
[30] GB (1906023.5) 2019-04-30
[30] GB (2002362.8) 2020-02-20

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[51] **Int.Cl. B29C 64/135 (2017.01)**
[25] EN
[54] **RAPID, LARGE VOLUME, DEAD LAYER-FREE 3D PRINTING**
[54] **IMPRESSION 3D RAPIDE, A GRAND VOLUME ET SANS COUCHE MORTE**
[72] WALKER, DAVID A., US
[72] HEDRICK, JAMES L., III, US
[72] MIRKIN, CHAD A., US
[71] NORTHWESTERN UNIVERSITY, US
[85] 2021-08-30
[86] 2020-03-09 (PCT/US2020/021729)
[87] (WO2020/185692)
[30] US (62/815,175) 2019-03-07
[30] US (62/913,712) 2019-10-10
[30] US (62/948,577) 2019-12-16

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[51] **Int.Cl. C09C 1/02 (2006.01) A23P 20/00 (2016.01) C01B 11/18 (2006.01) C09C 3/06 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING SURFACE-REACTED CALCIUM CARBONATE**
[54] **PROCEDE DE PREPARATION DE CARBONATE DE CALCIUM AYANT REAGI EN SURFACE**
[72] GERARD, DANIEL E., CH
[71] OMYA INTERNATIONAL AG, CH
[85] 2021-08-31
[86] 2020-04-07 (PCT/EP2020/059896)
[87] (WO2020/212204)
[30] EP (19169504.8) 2019-04-16

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[51] **Int.Cl. A61K 8/19 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **SURFACE-TREATED MAGNESIUM OR CALCIUM ION-CONTAINING MATERIALS AS WHITE PIGMENTS IN ORAL CARE COMPOSITIONS**
[54] **MATIERES CONTENANT DES IONS MAGNESIUM OU CALCIUM TRAITEES EN SURFACE UTILISEES EN TANT QUE PIGMENTS BLANCS DANS DES COMPOSITIONS D'HYGIENE BUCCALE**
[72] KELLER, TOBIAS, CH
[72] BUDDE, TANJA, CH
[72] RENTSCH, SAMUEL, CH
[71] OMYA INTERNATIONAL AG, CH
[85] 2021-08-31
[86] 2020-04-22 (PCT/EP2020/061133)
[87] (WO2020/224957)
[30] EP (19172523.3) 2019-05-03
[30] EP (20164389.7) 2020-03-20

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[13] A1
[51] **Int.Cl. A61K 8/19 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **MAGNESIUM ION-CONTAINING MATERIALS AS WHITE PIGMENTS IN ORAL CARE COMPOSITIONS**
[54] **MATERIAUX CONTENANT DES IONS MAGNESIUM EN TANT QUE PIGMENTS BLANCS DANS DES COMPOSITIONS DE SOINS BUCCAUX**
[72] KELLER, TOBIAS, CH
[72] BUDDE, TANJA, CH
[72] RENTSCH, SAMUEL, CH
[71] OMYA INTERNATIONAL AG, CH
[85] 2021-08-31
[86] 2020-04-29 (PCT/EP2020/061952)
[87] (WO2020/225064)
[30] EP (19172540.7) 2019-05-03

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[13] A1
[51] **Int.Cl. A61J 1/20 (2006.01) A61M 39/26 (2006.01)**
[25] EN
[54] **CONNECTION ASSEMBLY FOR DIRECTING A MEDICAL LIQUID**
[54] **ENSEMBLE DE RACCORDEMENT POUR DIRIGER UN LIQUIDE MEDICAL**
[72] BRANDENBURGER, TORSTEN, DE
[71] FRESENIUS KABI DEUTSCHLAND GMBH, DE
[85] 2021-08-31
[86] 2020-03-06 (PCT/IB2020/051987)
[87] (WO2020/183331)
[30] US (16/296,643) 2019-03-08

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[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **TELESCOPING PROSTHETIC VALVE WITH RETENTION ELEMENT**
[54] **VALVULE PROTHETIQUE TELESCOPIQUE AVEC ELEMENT DE RETENUE**
[72] BURKART, DUSTIN C., US
[72] HARTMAN, CODY L., US
[72] TITONE, RYAN S., US
[71] W.L. GORE & ASSOCIATES, INC., US
[85] 2021-08-31
[86] 2020-02-29 (PCT/US2020/020550)
[87] (WO2020/180748)
[30] US (62/812,782) 2019-03-01
[30] US (62/833,086) 2019-04-12
[30] US (16/805,181) 2020-02-28

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[51] **Int.Cl. B64C 27/12 (2006.01) F16H 3/00 (2006.01)**
[25] EN
[54] **DRIVE, PARTICULARLY FOR THE MAIN ROTOR OF A ROTARY CRAFT**
[54] **ENTRAINEMENT CONCU EN PARTICULIER POUR LE ROTOR PRINCIPAL D'UN GIRAVION**
[72] EVEN, DETLEV MATTHIAS, DE
[72] HETTENKOFER, JOHANN WERNER, DE
[72] DUMMEL, ANDREAS, DE
[72] LOWENSTEIN, ANDREAS, CH
[71] KOPTER GROUP AG, CH
[85] 2021-08-02
[86] 2020-02-03 (PCT/EP2020/052589)
[87] (WO2020/161061)
[30] CH (00154/19) 2019-02-07

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/4045 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING CANCER**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DU CANCER**
[72] THEZE, JACQUES, FR
[72] TAMARIT, BLANCHE, FR
[72] POULETTY, PHILIPPE, FR
[71] DIACCURATE, FR
[85] 2021-08-02
[86] 2020-02-05 (PCT/EP2020/052818)
[87] (WO2020/161165)
[30] EP (19305140.6) 2019-02-06

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[51] **Int.Cl. C12N 9/24 (2006.01) A61K 38/47 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **POLYNUCLEOTIDES**
[54] **POLYNUCLEOTIDES**
[72] NATHWANI, AMIT, GB
[72] MCINTOSH, JENNY, GB
[72] CORBAU, ROMUALD, GB
[72] KIA, AZADEH, GB
[72] MIRANDA, CARLOS, GB
[71] FREELINE THERAPEUTICS LIMITED, GB
[85] 2021-08-02
[86] 2020-02-04 (PCT/GB2020/050251)
[87] (WO2020/161483)
[30] GB (1901512.2) 2019-02-04
[30] GB (1917910.0) 2019-12-06

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[54] **MISE EN FORME DE CONSTELLATION PROBABILISTE EN TEMPS ET EN FREQUENCE**
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[72] EBRAHIMZAD, HAMID, CA
[71] CIENA CORPORATION, US
[85] 2021-08-02
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[54] **MATRIX DROPLET EXTRUDER, SAMPLE HOLDER AND SAMPLE ANALYSIS SYSTEM**
[54] **EXTRUDEUSE DE GOUTTELETTES MATRICIELLES, PORTE-ECHANTILLON ET SYSTEME D'ANALYSE D'ECHANTILLON**
[72] YAVETS-CHEN, YEHUDA, IL
[71] PICODYA TECHNOLOGIES LTD., IL
[85] 2021-08-02
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[54] **METHOD FOR PRODUCING A PLATE ARRANGEMENT**
[54] **SYSTEME ET PROCEDE DE FABRICATION D'UN ENSEMBLE DE PLAQUES**
[72] GREMMELSPACHER, MATTHIAS, DE
[72] KUBLER, RAINER, DE
[72] RIST, TOBIAS, DE
[72] KOTT, ALEXANDER, DE
[72] HOLLER, PHILIPP, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[54] **VEGETABLE BASED SNACK STICK**
[54] **EN-CAS EN BATONNET A BASE DE LEGUMES**
[72] HOSSEN, MD MONJUR, US
[72] SHOULDICE, AMY, US
[71] KELLOGG COMPANY, US
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[54] **NEAR REAL-TIME DETECTION AND CLASSIFICATION OF MACHINE ANOMALIES USING MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE**
[54] **DETECTION ET CLASSIFICATION PRESQUE EN TEMPS REEL D'ANOMALIES DE MACHINE A L'AIDE D'UN APPRENTISSAGE AUTOMATIQUE ET D'UNE INTELLIGENCE ARTIFICIELLE**
[72] BHATTACHARYYA, BHASKAR, US
[72] FRIEDMAN, SAMUEL, US
[72] KING, COSMO, US
[72] HENDERSON, KIERSTEN, US
[71] IOCURRENTS, INC., US
[85] 2021-09-01
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[25] EN
[54] **CONNEXIN 43 ANTIBODIES AND USE THEREOF**
[54] **ANTICORPS DE CONNEXINE 43 ET LEUR UTILISATION**
[72] ZHANG, YANFENG, US
[71] ALAMAB THERAPEUTICS, INC., US
[85] 2021-08-04
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[54] **DUMP CART**
[54] **CHARIOT A BENNE BASCULANTE**
[72] FOLEY, JOSEPH P., US
[72] WILLIAMS, BENJAMIN P., US
[72] WERNBERG, BENJAMIN M., US
[71] TRICAM INDUSTRIES, INC., US
[85] 2021-08-04
[86] 2020-02-04 (PCT/US2020/016598)
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[54] **SUPPORT STRUCTURE FOR HANDLE ASSEMBLY**
[54] **STRUCTURE DE SUPPORT POUR ENSEMBLE POIGNEE**
[72] LIN, JAMES, US
[72] BLOOM, MARK, US
[71] SPECTRUM BRANDS, INC., US
[85] 2021-08-04
[86] 2020-02-05 (PCT/US2020/016800)
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[54] **MOLDED ARTICLE OF CARBON-FIBER-REINFORCED COMPOSITE MATERIAL AND PRODUCTION METHOD FOR MOLDED ARTICLE OF CARBON-FIBER-REINFORCED COMPOSITE MATERIAL**
[54] **ARTICLE MOULE EN MATERIAU COMPOSITE RENFORCE PAR DES FIBRES DE CARBONE ET PROCEDE DE PRODUCTION D'UN ARTICLE MOULE EN MATERIAU COMPOSITE RENFORCE PAR DES FIBRES DE CARBONE**
[72] MITSUOKA, HIDETO, JP
[72] OZEKI, YUJI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2021-08-04
[86] 2020-03-25 (PCT/JP2020/013259)
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[51] **Int.Cl. G01N 33/483 (2006.01) C12Q 1/68 (2018.01) G01N 33/53 (2006.01)**
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[54] **ENHANCED SELECTION OF EFFICIENT TARGETED GENOME MANIPULATING AGENTS**
[54] **SELECTION AMELIOREE D'AGENTS DE MANIPULATION DE GENOME CIBLE EFFICACE**
[72] PAYTAVI, REGIS, US
[72] ARAN, KIANA, US
[72] GOLDSMITH, BRETT, US
[72] KANE, ALEXANDER, US
[71] AMMR JOINT VENTURE, US
[85] 2021-08-04
[86] 2020-02-05 (PCT/US2020/016829)
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[54] **PEPTIDE LIGANDS OF THE GDNF FAMILY RECEPTOR A-LIKE (GFRAL) RECEPTOR**
[54] **LIGANDS PEPTIDIQUES DU RECEPTEUR DU TYPE RECEPTEUR ALPHA DE LA FAMILLE DU GDNF (GFRAL)**
[72] HAYES, MATTHEW ROBERT, US
[72] DE JONGHE, BART C., US
[72] BORNER, TITO, US
[72] DOYLE, ROBERT, US
[72] TINSLEY, IAN, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[71] SYRACUSE UNIVERSITY, US
[85] 2021-08-04
[86] 2020-02-05 (PCT/US2020/016844)
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[54] **INTRA-CARDIAC LEFT ATRIAL AND DUAL SUPPORT SYSTEMS**
[54] **SYSTEMES DE SUPPORT DOUBLE ET AURICULAIRE GAUCHE INTRACARDIAQUE**
[72] RATZ, J. BRENT, US
[72] QUADRI, ARSHAD, US
[71] INQB8 MEDICAL TECHNOLOGIES, LLC, US
[85] 2021-08-04
[86] 2020-02-05 (PCT/US2020/016848)
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[51] **Int.Cl. A61B 5/15 (2006.01)**
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[54] **DEVICES AND METHODS FOR BODILY FLUID COLLECTION AND DISTRIBUTION**
[54] **DISPOSITIFS ET PROCEDES POUR LA COLLECTE ET LA DISTRIBUTION DE FLUIDE CORPOREL**
[72] BULLINGTON, GREGORY J., US
[72] ALLISON, JEFF, US
[72] SHAY, BRIAN, US
[72] MARUSKA, JOSHUA D., US
[72] JOHNSON, JOHN ANDREW, US
[72] GAW, SHAN E., US
[71] MAGNOLIA MEDICAL TECHNOLOGIES, INC., US
[85] 2021-08-04
[86] 2020-02-07 (PCT/US2020/017261)
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[51] **Int.Cl. A61B 6/10 (2006.01) A61B 6/04 (2006.01)**
[25] EN
[54] **ARTICULATED RADIATION SHIELDING SYSTEM**
[54] **SYSTEME D'ECRAN ANTI-RAYONNEMENTS ARTICULE**
[72] FOSTER, ROBERT EVANS, US
[72] COOPER, LLOYD GUYTON BOWERS, US
[72] LIVINGSTON, WILLIAM THOMAS, US
[72] PHILLIPS, FOSTER D., US
[71] INTERVENTION FOR LIFE, LLC, US
[85] 2021-08-04
[86] 2020-02-07 (PCT/US2020/017309)
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[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/4365 (2006.01) A61P 25/00 (2006.01)**
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[54] **THIOENO[3,2-B] PYRIDIN-7-AMINE COMPOUNDS FOR TREATING FAMILIAL DYSAUTONOMIA**
[54] **COMPOSES DE THIOENO[3,2-B]PYRIDIN-7-AMINE POUR LE TRAITEMENT DE LA DYSAUTONOMIE FAMILIALE**
[72] ZHANG, NANJING, US
[72] ARNOLD, MICHAEL A., US
[72] DAKKA, AMAL, US
[72] KARP, GARY MITCHELL, US
[72] LUONG, TOM TUAN, US
[72] NARASIMHAN, JANA, US
[72] NARYSHKIN, NIKOLAI A., US
[72] WANG, JIASHI, US
[72] ZHANG, XIAOYAN, US
[71] PTC THERAPEUTICS, INC., US
[85] 2021-08-04
[86] 2020-02-10 (PCT/US2020/017430)
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[25] EN
[54] **SYSTEMS AND METHODS FOR PREDICTING THE OLFACTORY PROPERTIES OF MOLECULES USING MACHINE LEARNING**
[54] **SYSTEMES ET PROCEDES DE PREDICTION DES PROPRIETES OLFACTIVES DE MOLECULES A L'AIDE D'UN APPRENTISSAGE MACHINE**
[72] WILTSCHKO, ALEXANDER, US
[72] SANCHEZ-LENGELING, BENJAMIN, US
[71] GOOGLE LLC, US
[85] 2021-08-04
[86] 2020-02-10 (PCT/US2020/017477)
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[51] **Int.Cl. H04B 7/19 (2006.01) G01C 21/00 (2006.01) H04B 7/185 (2006.01)**
[25] EN
[54] **DELTA CODING FOR REMOTE SENSING**
[54] **CODAGE DELTA POUR DETECTION A DISTANCE**
[72] GREENIDGE, DAVID D., US
[72] CHACKO, STEVE, US
[71] VIASAT INC., US
[85] 2021-08-04
[86] 2020-02-10 (PCT/US2020/017536)
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[54] **FAUCET WITH INTEGRATED WATER FILTER**
[54] **ROBINET DOTE D'UN FILTRE A EAU INTEGRE**
[72] PITSCH, WALTER, US
[72] YE, XIAOJING, US
[72] WILLIAMS, EMILIE, US
[71] AS AMERICA, INC., US
[85] 2021-08-04
[86] 2020-02-11 (PCT/US2020/017602)
[87] (WO2020/167717)
[30] US (62/804,301) 2019-02-12
[30] US (62/878,031) 2019-07-24

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[54] **MULTIFUNCTIONAL ADDITIVE COMPOUNDS**
[54] **COMPOSES D'ADDITIFS MULTIFONCTIONNELS**
[72] ZHAO, HAIBO, US
[71] HUNTSMAN PETROCHEMICAL LLC, US
[85] 2021-08-04
[86] 2020-02-11 (PCT/US2020/017590)
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[25] EN
[54] **RECONSTITUTED COCOA MATERIAL FOR GENERATING AEROSOLS**
[54] **MATERIAU A BASE DE CACAO RECONSTITUE POUR GENERER DES AEROSOLS**
[72] ROUSSEAU, CEDRIC, FR
[72] JARDIN, CEDRIC, FR
[72] BIGOT, DORIANE, FR
[71] SWM LUXEMBOURG, LU
[85] 2021-08-04
[86] 2020-02-11 (PCT/US2020/017716)
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[30] US (62/803,908) 2019-02-11
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[25] EN
[54] **SYSTEMS, APPARATUS AND METHODS FOR INTER PREDICTION REFINEMENT WITH OPTICAL FLOW**
[54] **SYSTEMES, APPAREIL ET PROCEDES D'AFFINEMENT D'INTER-PREDICTION AVEC FLUX OPTIQUE**
[72] LUO, JIANCONG, US
[72] HE, YUWEN, US
[71] VID SCALE, INC., US
[85] 2021-08-04
[86] 2020-02-04 (PCT/US2020/016564)
[87] (WO2020/163319)
[30] US (62/802,428) 2019-02-07
[30] US (62/814,611) 2019-03-06
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[51] **Int.Cl. A61B 5/11 (2006.01) A61B 34/20 (2016.01) A61B 34/30 (2016.01) A61B 90/00 (2016.01) A61B 5/113 (2006.01) A61B 6/00 (2006.01) A61B 17/00 (2006.01)**
[25] FR
[54] **SYNCHRONISATION DEVICE AND METHOD FOR DETERMINING AN INSTANT OF THE RESPIRATORY CYCLE OF A PATIENT, AND ASSEMBLY COMPRISING A MEDICAL ROBOT**
[54] **DISPOSITIF ET PROCEDE DE SYNCHRONISATION POUR LA DETERMINATION D'UN INSTANT DU CYCLE RESPIRATOIRE D'UN PATIENT, ET ENSEMBLE COMPORTANT UN ROBOT MEDICAL**
[72] LE MEUR, YANN, FR
[72] BLONDEL, LUCIEN, FR
[72] BADANO, FERNAND, FR
[72] NAHUM, BERTIN, FR
[71] QUANTUM SURGICAL, FR
[85] 2021-08-05
[86] 2020-04-08 (PCT/EP2020/060030)
[87] (WO2020/208078)
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[25] EN
[54] **DOUBLE-ACTING HIGH TENSION COMPRESSION JOINT**
[54] **JOINT A COMPRESSION HAUTE TENSION A DOUBLE EFFET**
[72] JOHANSEN, BEN KRISTIAN, NO
[72] GUSTAVSEN, ROBIN, NO
[72] JOHANSSON, MATS, SE
[71] NEXANS, FR
[85] 2021-08-05
[86] 2020-02-10 (PCT/EP2020/053353)
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[25] FR
[54] **REDUCING HYGROSCOPICITY OF A MINERAL MATERIAL**
[54] **REDUCTION DE L'HYGROSCOPICITE D'UN MATERIAU MINERAL**
[72] JACQUEMET, CHRISTIAN, FR
[72] MONGOIN, JACQUES, FR
[72] SUAU, JEAN-MARC, FR
[71] COATEX, FR
[85] 2021-08-05
[86] 2020-02-24 (PCT/FR2020/000041)
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[51] **Int.Cl. G16B 30/20 (2019.01)**
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[54] **BIOLOGICAL INFORMATION HANDLING**
[54] **MANIPULATION D'INFORMATIONS BIOLOGIQUES**
[72] VAN HYFTE, DIRK, BE
[72] VAN HYFTE, ARNOUT, BE
[72] BRANDS, INGRID, BE
[72] VAN HYFTE, EWALD, BE
[71] BIOSTRAND BV, BE
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[86] 2020-02-07 (PCT/EP2020/053223)
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[30] EP (19156086.1) 2019-02-07
[30] BE (BE2019/5077) 2019-02-07
[30] EP (19156085.3) 2019-02-07
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[30] EP (19190900.1) 2019-08-08
[30] EP (19190899.5) 2019-08-08

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[54] **LUBRICANT**
[54] **LUBRIFIANT**
[72] KUMMERER, ROBERT, AT
[71] GIGAGLIDE SURFACE TECHNOLOGIES GMBH, AT
[85] 2021-08-05
[86] 2019-02-06 (PCT/EP2019/052849)
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[51] **Int.Cl. A61K 38/20 (2006.01) A61K 35/17 (2015.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TREATMENT INVOLVING CAR-ENGINEERED T CELLS AND CYTOKINES**
[54] **TRAITEMENT FAISANT APPEL A DES LYMPHOCYTES T GENETIQUEMENT MODIFIES ET DES CYTOKINES**
[72] SAHIN, UGUR, DE
[72] OEHM, PETRA, DE
[72] RENGSTL, BENJAMIN, DE
[72] REINHARD, KATHARINA, DE
[71] BIONTECH CELL & GENE THERAPIES GMBH, DE
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[86] 2020-02-06 (PCT/EP2020/052965)
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[30] EP (PCT/EP2019/053144) 2019-02-08

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[25] EN
[54] **USE OF ANTI-CEACAM5 IMMUNOCONJUGATES FOR TREATING LUNG CANCER**
[54] **UTILISATION D'IMMUNOCONJUGUES ANTI-CEACAM5 POUR LE TRAITEMENT DU CANCER DU POUMON**
[72] ALLARD, AURORE, FR
[72] CHADJAA, MUSTAPHA, FR
[72] COMBEAU, CECILE, FR
[72] DEMERS, BRIGITTE, FR
[72] HENRY, CHRISTOPHE, FR
[72] YORUK, SEMRA, FR
[71] SANOFI, FR
[85] 2021-08-05
[86] 2020-02-06 (PCT/EP2020/052932)
[87] (WO2020/161214)
[30] US (62/802,511) 2019-02-07
[30] EP (19305173.7) 2019-02-11
[30] EP (19305504.3) 2019-04-18

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[25] EN
[54] **BIOLOGICAL SEQUENCE INFORMATION HANDLING**
[54] **MANIPULATION D'INFORMATIONS DE SEQUENCE BIOLOGIQUE**
[72] VAN HYFTE, DIRK, BE
[72] VAN HYFTE, ARNOUT, BE
[72] BRANDS, INGRID, BE
[72] VAN HYFTE, EWALD, BE
[71] BIOKEY BV, BE
[85] 2021-08-05
[86] 2020-02-07 (PCT/EP2020/053220)
[87] (WO2020/161344)
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[25] EN
[54] **HERBICIDAL COMPOSITIONS**
[54] **COMPOSITIONS HERBICIDES**
[72] WILLETTS, NIGEL JAMES, GB
[72] HALL, GAVIN JOHN, GB
[72] THOMSON, NIALL RAE, GB
[72] FELLMANN, JULIA, CH
[72] WUERFFEL, RAYMOND JOSEPH, US
[72] SONAWANE, RAVINDRA, IN
[72] PHADTE, MANGALA, IN
[72] KANDUKURI, SANDEEP REDDY, IN
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[72] SCUTT, JAMES NICHOLAS, GB
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[54] **PROCESS FOR MANUFACTURING AN ATHERMAL LOW COST TELESCOPE BASED ON HIGH PRECISION REPLICATION TECHNOLOGY, AND SUCH TELESCOPE**
[54] **PROCEDE DE FABRICATION D'UN TELESCOPE ATHERMIQUE A FAIBLE COUT, BASE SUR UNE TECHNOLOGIE DE REPLICATION DE HAUTE PRECISION ET UN TEL TELESCOPE**
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[72] VALSECCHI, GIUSEPPE, IT
[72] MARIONI, FABIO, IT
[71] MEDIA LARIO S.R.L., IT
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[72] MONGOIN, JACQUES, FR
[72] SUAU, JEAN-MARC, FR
[71] COATEX, FR
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[54] **AEROSOL GENERATING MATERIAL COMPRISING RECONSTITUTED COCOA HUSK FIBER MATERIAL**
[54] **MATERIAU DE GENERATION D'AEROSOL COMPRENANT UN MATERIAU DE FIBRE DE PELURE DE CACAO RECONSTITUE**
[72] ROUSSEAU, CEDRIC, FR
[72] JARDIN, CEDRIC, FR
[72] BIGOT, DORIANE, FR
[71] SWM LUXEMBOURG, LU
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[54] **COMBINAISON DE SILICIUM ET DE MAGNESIUM POUR LA PREVENTION ET LE TRAITEMENT DE CRAMPES MUSCULAIRES**
[72] COOLSAET, BOUDEWIJN LOUIS RENE ANDRE, BE
[72] VAN VOOREN, CHRISTIANNE AUGUSTA ADOLF, BE
[71] BIO MINERALS NV, BE
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[54] **COCOA WRAPPER FOR SMOKING ARTICLES**
[54] **EMBALLAGE DE CACAO POUR ARTICLES A FUMER**
[72] ROUSSEAU, CEDRIC, FR
[72] ACCOU, JEROME, FR
[72] GOUTH, ARTHUR, FR
[72] GOMBERT, LAURENT, FR
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[54] **MATERIAU DE CANNABIS RECONSTITUE POUR GENERER DES AEROSOLS**
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[72] JARDIN, CEDRIC, FR
[72] BIGOT, DORIANE, FR
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[54] **CELLULES PHOTORECEPTRICES INDUITES ET LEURS PROCEDES DE PRODUCTION**
[72] BUSSKAMP, VOLKER, DE
[72] ZUZIC, MARTA, DE
[72] KEMPE, ANKA, DE
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[54] **METHODS FOR LABELING EUKARYOTIC CELLS FROM A MULTICELLULAR ORGANISM AS WELL AS FOR TREATING AND/OR DIAGNOSING A CANCER USING MODIFIED MONOSACCHARIDE COMPOUNDS**
[54] **PROCEDES DE MARQUAGE DE CELLULES EUCARYOTES A PARTIR D'UN ORGANISME MULTICELLULAIRE AINSI QUE POUR LE TRAITEMENT ET/OU LE DIAGNOSTIC D'UN CANCER A L'AIDE DE COMPOSES MONOSACCHARID IQUES MODIFIES**
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[71] DIAMIDEX, FR
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[54] **APPLICATEUR POUR TIMBRE A MICRO-AIGUILLES**
[72] BEE, MARKUS, DE
[72] HACKBARTH, RONALD, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
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[54] **PROCEDE DE PRODUCTION DE LIPIDES MICROBIENS**
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[72] BRUCK, THOMAS, DE
[71] TECHNISCHE UNIVERSITAT MUNCHEN, DE
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[54] **CANNABIS WRAPPER FOR SMOKING ARTICLES**
[54] **ENVELOPPE DE CANNABIS POUR ARTICLES A FUMER**
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[54] **FILLER CONTAINING BLENDS OF AEROSOL GENERATING MATERIALS**
[54] **CHARGE CONTENANT DES MELANGES DE MATERIAUX GENERATEURS D'AEROSOL**
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[72] JARDIN, CEDRIC, FR
[72] BIGOT, DORIANE, FR
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[54] **PROCEDE DE PREPARATION D'UN PROMEDICAMENT DE DON A PARTIR D'ACIDE L-PYROGLUTAMIQUE**
[72] LAWSON, JON PHILIP, US
[72] WILD, ROBERT CHRISTIAN, US
[72] SHAO, YIYANG, CN
[72] CHU, JINXIAO, CN
[72] WENG, JINCHAO, CN
[72] MAJER, PAVEL, US
[71] DRACEN PHARMACEUTICALS, INC., US
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[54] **LASER HIGH-SPEED TYRE CLEANING DEVICE**
[54] **DISPOSITIF DE NETTOYAGE DE PNEUS A GRANDE VITESSE AU LASER**
[72] HILLMANN, ROBERT, DE
[72] KRAUS, ARMIN, DE
[72] LANGE, ANDRE, DE
[71] 4JET TECHNOLOGIES GMBH, DE
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[54] **CHIMERIC ANTIGEN RECEPTOR-MODIFIED CELLS FOR THE TREATMENT OF CLDN6-EXPRESSING CANCERS**
[54] **CELLULES CHIMERIQUES MODIFIEES PAR UN RECEPTEUR D'ANTIGENE POUR LE TRAITEMENT DE CANCERS EXPRIMANT CLDN6**
[72] SAHIN, UGUR, DE
[72] OEHM, PETRA, DE
[72] RENGSTL, BENJAMIN, DE
[72] REINHARD, KATHARINA, DE
[72] MICHEL, KRISTINA, DE
[71] BIONTECH CELL & GENE THERAPIES GMBH, DE
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[54] **PORTABLE DEVICE FOR ADMINISTERING A PHYSIOLOGICALLY ACTIVE LIQUID**
[54] **DISPOSITIF PORTABLE POUR L'ADMINISTRATION D'UN LIQUIDE PHYSIOLOGIQUEMENT ACTIF**
[72] RENTSCH, RUDIGER, DE
[72] ETZOLD, MATHIAS, DE
[71] WERRTA GMBH DUSEN- UND ZERSTAUBUNGSTECHNIK, DE
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[54] **ADVANCED BOND COAT MATERIALS FOR TBC WITH IMPROVED THERMAL CYCLIC FATIGUE AND SULFIDATION RESISTANCE**
[54] **MATERIAUX DE COUCHE D'ACCROCHAGE AVANCES POUR DES TBC PRESENTANT UNE RESISTANCE AMELIOREE A LA FATIGUE SOUS DES VARIATIONS CYCLIQUES DE TEMPERATURE ET A LA SULFURATION**
[72] HE, JIANHONG, US
[72] SHAROBEM, TIMOTHY, US
[72] KEYES, BRIAN, US
[72] CHEN, DIANYING, US
[71] OERLIKON METCO (US) INC., US
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[54] **SYSTEMES ET PROCEDES POUR VERIFIER LES PERFORMANCES DE SYSTEMES DE VENTILATION D'AIR INSTALLES**
[72] NURSE, JOHN, US
[72] THERIAULT, ERIC, US
[72] SINUR, RICHARD R., US
[72] ASMUS, JASON, US
[72] MADSON, BRIAN, US
[72] SCHROEDER, TAYLOR, US
[72] PENLESKY, ROBERT G., US
[71] BROAN-NUTONE LLC, US
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[54] **MODULATION DE LA SIGNALISATION WNT DANS DES TROUBLES OCULAIRES**
[72] LI, YANG, US
[72] TU, SHENGJIANG, US
[72] LEE, SUNGJIN, US
[72] YEH, WEN-CHEN, US
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[54] **OUVERTURE DE SATELLITE A TRES FAIBLE COUT ET HAUTE PERFORMANCE**
[72] ROBINSON, PARKER A., US
[72] TRUSHEIM, DAVID J., US
[72] KRETSCH, MICHAEL T., US
[72] MAIER, JONATHAN D., US
[71] VIASAT, INC., US
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[54] **MODIFIED IMMUNE CELLS HAVING ADENOSINE DEAMINASE BASE EDITORS FOR MODIFYING A NUCLEOBASE IN A TARGET SEQUENCE**
[54] **CELLULES IMMUNITAIRES MODIFIEES AYANT DES EDITEURS DE BASE D'ADENOSINE DESAMINASE POUR MODIFIER UNE NUCLEOBASE DANS UNE SEQUENCE CIBLE**
[72] GAUDELLI, NICOLE, US
[72] PACKER, MICHAEL, US
[72] SLAYMAKER, IAN, US
[72] YU, YI, US
[72] ZETSCHE, BERND, US
[72] BORN, DAVID A., US
[72] LEE, SEUNG-JOO, US
[72] GEHRKE, JASON M., US
[71] BEAM THERAPEUTICS INC., US
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[25] EN
[54] **ADENOSINE DEAMINASE BASE EDITORS AND METHODS OF USING SAME TO MODIFY A NUCLEOBASE IN A TARGET SEQUENCE**
[54] **EDITEURS DE BASE ADENOSINE DESAMINASE ET LEURS METHODES D'UTILISATION POUR MODIFIER UNE NUCLEOBASE DANS UNE SEQUENCE CIBLE**
[72] GAUDELLI, NICOLE, US
[72] PACKER, MICHAEL, US
[72] SLAYMAKER, IAN, US
[72] YU, YI, US
[72] ZETSCHE, BERND, US
[72] GEHRKE, JASON MICHAEL, US
[72] PETROSSIAN, NATALIE, US
[72] MESSANA, ANGELICA, US
[72] ARATYN, YVONNE, US
[72] GREGOIRE, FRANCINE, US
[72] LUNG, GENESIS, US
[72] BERKOVITCH, SHAUNNA, US
[72] BORN, DAVID A., US
[72] LEE, SEUNG-JOO, US
[71] BEAM THERAPEUTICS INC., US
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[30] US (62/852,228) 2019-05-23
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[54] **MASQUE RESPIRATOIRE DE PROTECTION**
[72] SALLES, JAIME C., US
[72] SALLES, FERNANDO J., US
[71] SALLES, JAIME C., US
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[54] **TRANSPORT CARRIER SYSTEM AND OVERHEAD CONVEYING DEVICE HAVING TRANSPORT CARRIERS FOR TRANSPORTING HANGING ARTICLES**
[54] **SYSTEME DE SUPPORTS DE TRANSPORT ET DISPOSITIF CONVOYEUR A BALANCELLES DOTE DE SUPPORTS DE TRANSPORT POUR TRANSPORTER DES MARCHANDISES SUSPENDUES**
[72] KRIECHBAUM, THOMAS, AT
[72] RAUSCH, MARTIN, AT
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[54] **PROCEDES ET SYSTEMES DE PLATEAU TOURNANT DE CHARGEMENT**
[72] ALARCON, LUIS CARLOS, US
[72] BLUM, STEVEN C., US
[72] RUSSELL, MICHAEL DAVID JR., US
[71] UNIVERSAL CITY STUDIOS LLC, US
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[51] **Int.Cl. A61F 9/007 (2006.01) A61B 17/34 (2006.01) A61M 27/00 (2006.01)**
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[54] **DISPOSITIF D'INSERTION POUR DISPOSITIF POUR GLAUCOME**
[72] PINCHUK, LEONARD, US
[71] INNFOCUS, INC., US
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[54] **DETERMINING THE LOCATION OF AN ANIMAL**
[54] **DETERMINATION DE L'EMPLACEMENT D'UN ANIMAL**
[72] WILKINSON, BENJAMIN THOMAS JOHN, AU
[72] CLAYTON, BRIAN ANTONY, AU
[71] ALLFLEX AUSTRALIA PTY LTD, AU
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[54] **ELECTRONIC CIGARETTE WITH AUDIBLE CONNECTION**
[54] **CIGARETTE ELECTRONIQUE A CONNEXION AUDIBLE**
[72] ADAIR, KYLE, GB
[72] ROGAN, ANDREW ROBERT JOHN, GB
[71] JT INTERNATIONAL SA, CH
[85] 2021-08-04
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[25] EN
[54] **MOISTURE-CURABLE POLYOLEFIN FORMULATION**
[54] **FORMULATION DE POLYOLEFINE DURCISSABLE A L'HUMIDITE**
[72] ZHANG, KAINAN, CN
[72] SUN, YABIN, CN
[72] COGEN, JEFFREY M., US
[72] TALREJA, MANISH, US
[72] PERSON, TIMOTHY J., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2021-08-05
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[54] **MOISTURE-CURABLE POLYOLEFIN FORMULATION**
[54] **FORMULATION DE POLYOLEFINE DURCISSABLE A L'HUMIDITE**
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[72] SUN, YABIN, CN
[72] COGEN, JEFFREY M., US
[72] TALREJA, MANISH, US
[72] PERSON, TIMOTHY J., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **NONHORMONAL UNISEX CONTRACEPTIVES**
[54] **CONTRACEPTIFS UNISEXES NON HORMONAUX**
[72] LISHKO, POLINA V., US
[72] SKINNER, WILLIAM, US
[72] KHASIN, LILIYA GABELEV, US
[72] TABARSI, EMILIANO, US
[72] BERTHOLET, AMBRE M., US
[72] KIRICHOK, YURIY, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2021-08-04
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[25] EN
[54] **FRAMED ACOUSTIC PANEL AND METHOD OF MANUFACTURE**
[54] **PANNEAU ACOUSTIQUE A CADRE ET PROCEDE DE FABRICATION**
[72] BARTELLA, LUIGI, CA
[72] DEYOE, DONALD, CA
[71] CERTAIN TEED CANADA, INC., CA
[85] 2021-08-04
[86] 2020-02-24 (PCT/US2020/019504)
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[54] **PORTIONING AND TRIMMING OF RIB PRIMAL CUTS**
[54] **DECOUPAGE EN PORTIONS ET PARAGE DE DECOUPES PRIMAIRES DE COTES**
[72] BLAINE, GEORGE R., US
[72] BELOW, DAVID A., US
[72] FALKOSKI, MATTHEW F., US
[71] JOHN BEAN TECHNOLOGIES CORPORATION, US
[85] 2021-08-04
[86] 2020-02-26 (PCT/US2020/019956)
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[25] EN
[54] **ELECTRONIC ANIMAL TAG READER**
[54] **LECTEUR D'ETIQUETTE D'ANIMAL ELECTRONIQUE**
[72] WILKINSON, BENJAMIN THOMAS JOHN, AU
[72] WOODLAND, AARON JOHN, AU
[72] CLAYTON, BRIAN ANTONY, AU
[71] ALLFLEX AUSTRALIA PTY LTD, AU
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[54] **SURGICAL SYSTEM AND METHODS FOR STABILIZATION AND FIXATION OF FRACTURES, JOINTS, AND RECONSTRUCTIONS**
[54] **SYSTEME CHIRURGICAL ET PROCEDES DE STABILISATION ET DE FIXATION DE FRACTURES, ARTICULATIONS ET RECONSTRUCTIONS**
[72] CARLO, ROBERT MICHAEL, III, US
[72] AWTREY, GEORGE MATTHEW, US
[72] LOWERY, GARY W., US
[72] WOODARD, JOSEPH RYAN, US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
[85] 2021-08-04
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[51] **Int.Cl. G01C 21/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ACQUIRING BOUNDARY OF AREA TO BE OPERATED, AND OPERATION ROUTE PLANNING METHOD**
[54] **PROCEDE ET APPAREIL D'ACQUISITION D'UNE LIMITE D'UNE ZONE A EXPLOITER, ET PROCEDE DE PLANIFICATION D'ITINERAIRE D'EXPLOITATION**
[72] DAI, SHUANGLIANG, CN
[71] GUANGZHOU XAIRCRAFT TECHNOLOGY CO., LTD., CN
[85] 2021-08-05
[86] 2019-02-19 (PCT/CN2019/075456)
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[54] **IMIDAZO[2,1-F][1,2,4]TRIAZIN-4-AMINE DERIVATIVES AS TLR7 AGONIST**
[54] **DERIVES IMIDAZO[2,1-F][1,2,4]TRIAZIN-4-AMINE EN TANT QU'AGONISTES DE TLR7**
[72] ZHANG, GUOLIANG, CN
[72] MIAO, JIANZHUANG, CN
[72] ZHOU, CHANGYOU, CN
[72] CHEN, GANG, CN
[71] BEIGENE, LTD., KY
[85] 2021-08-05
[86] 2020-02-06 (PCT/CN2020/074436)
[87] (WO2020/160710)
[30] CN (PCT/CN2019/074732) 2019-02-07
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[25] EN
[54] **ELECTROLYTE MANUFACTURING DEVICE AND METHOD FOR MANUFACTURING ELECTROLYTE**
[54] **DISPOSITIF DE FABRICATION D'ELECTROLYTE ET PROCEDE DE FABRICATION D'ELECTROLYTE**
[72] MATSUMURA, YUKIO, JP
[71] LE SYSTEM CO., LTD., JP
[85] 2021-08-05
[86] 2020-01-31 (PCT/JP2020/003807)
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[30] JP (2019-018747) 2019-02-05

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[25] EN
[54] **ADSORBENT PARTICLES**
[54] **PARTICULES ADSORBANTES**
[72] KUTOSE, KOICHI, JP
[72] SATO, RYO, JP
[71] NIPPON SODA CO., LTD., JP
[85] 2021-08-05
[86] 2020-02-10 (PCT/JP2020/005172)
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[25] EN
[54] **POWER MANAGEMENT SCHEMES FOR SURGICAL SYSTEMS**
[54] **SCHEMAS DE GESTION DE PUISSANCE POUR SYSTEMES CHIRURGICAUX**
[72] NACLERIO, EDWARD, US
[71] COVIDIEN LP, US
[85] 2021-08-04
[86] 2020-04-02 (PCT/US2020/026363)
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[25] EN
[54] **FLOATING PANEL AND METHOD OF GROWING PLANTS THEREWITH**
[54] **PANNEAU FLOTTANT ET PROCEDE DE CULTURE DE PLANTES SUR CE DERNIER**
[72] NOORDAM, CHRISTIAAN SILVESTER, NL
[72] VAN DER KNAAP, MAURICE CORNELIS ANTONIUS, NL
[71] CULTIVATION SYSTEMS B.V., NL
[85] 2021-08-05
[86] 2020-01-28 (PCT/NL2020/050041)
[87] (WO2020/162742)
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[25] EN
[54] **A PRODUCT DISPENSING SYSTEM, HOLDER AND MANUFACTURING METHOD**
[54] **SYSTEME DE DISTRIBUTION DE PRODUIT, SUPPORT ET PROCEDE DE FABRICATION**
[72] BULSINK, DIRK JAN, NL
[72] SWEECK, JOREN, NL
[72] DANNENBERG, JOHAN FREDERIK, NL
[72] KNAPEN, FRANCISCUS JOHANNES, NL
[71] FRIESLANDCAMPINA NEDERLAND B.V., NL
[85] 2021-08-05
[86] 2020-02-18 (PCT/NL2020/050091)
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[25] EN
[54] **ANTI-VEGF PROTEIN COMPOSITIONS AND METHODS FOR PRODUCING THE SAME**
[54] **COMPOSITIONS DE PROTEINES ANTI-VEGF ET PROCEDES POUR LES PRODUIRE**
[72] TUSTIAN, ANDREW, US
[72] LAWRENCE, SHAWN, US
[72] JOHNSON, AMY, US
[72] CASEY, MEGHAN, US
[72] MASTROGIACOMO, JAIMIE, US
[72] VARTAK, ANKIT, US
[72] DALY, THOMAS, US
[72] PYLES, ERICA, US
[72] PALACKAL, NISHA, US
[72] WANG, SHUNHAI, US
[72] LI, NING, US
[72] CHEN, HUNTER, US
[72] BHUPENDER BHALLA, AMARDEEP SINGH, US
[72] FRANKLIN, MATTHEW, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2021-08-04
[86] 2020-08-18 (PCT/US2020/046862)
[87] (WO2021/112929)
[30] US (62/944,635) 2019-12-06
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[51] **Int.Cl. G01C 13/00 (2006.01) G01V 1/38 (2006.01)**
[25] EN
[54] **METHOD FOR ESTABLISHING A CONSOLIDATED WATER CURRENT VELOCITY PROFILE**
[54] **PROCEDE D'ETABLISSEMENT D'UN PROFIL DE VITESSE DE COURANT D'EAU CONSOLIDE**
[72] TJOM, KYRRE J, NO
[71] IDROP AS, NO
[85] 2021-08-05
[86] 2020-01-29 (PCT/NO2020/050018)
[87] (WO2020/162759)
[30] NO (20190166) 2019-02-07

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[25] EN
[54] **A METHOD FOR SEPARATING OLEFIN OLIGOMERIZATION PRODUCTS (VARIANTS)**
[54] **PROCEDE DE SEPARATION DE PRODUITS D'OLIGOMERISATION OLEFINIQUES (VARIANTS)**
[72] ARKATOV, OLEG LEONIDOVICH, RU
[72] LIPSKIKH, MAXIM VLADIMIROVICH, RU
[72] POPOV, EVGENIY ANATOLIEVICH, RU
[72] KHUSAINOV, AIRAT FARITOVICH, RU
[71] PUBLIC JOINT STOCK COMPANY "SIBUR HOLDING", RU
[85] 2021-08-05
[86] 2019-02-22 (PCT/RU2019/000112)
[87] (WO2020/171730)

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[51] **Int.Cl. G06K 7/016 (2006.01) A01K 11/00 (2006.01) G06K 7/10 (2006.01)**
[25] EN
[54] **ELECTRONIC ANIMAL IDENTIFICATION TAG READER SYNCHRONISATION**
[54] **SYNCHRONISATION DE LECTEUR D'ETIQUETTE D'IDENTIFICATION D'ANIMAL ELECTRONIQUE**
[72] BATEMAN, LEIGH ANDREW, AU
[72] WILKINSON, BENJAMIN THOMAS JOHN, AU
[72] CLAYTON, BRIAN ANTONY, AU
[71] ALLFLEX AUSTRALIA PTY LTD, AU
[85] 2021-08-05
[86] 2019-02-08 (PCT/AU2019/050094)
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[51] **Int.Cl. G01N 33/48 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 14/195 (2006.01) C07K 14/21 (2006.01) C07K 14/415 (2006.01) C07K 14/54 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) G01N 33/574 (2006.01) C07K 14/715 (2006.01)**
[25] EN
[54] **IL-4R AS A BIOMARKER IN CANCER**
[54] **IL-4R EN TANT QUE BIOMARQUEUR DANS LE CANCER**
[72] MERCHANT, FAHAR, CA
[72] MERCHANT, ROSEMINA, CA
[71] MEDICENNA THERAPEUTICS, INC., CA
[85] 2021-08-05
[86] 2020-02-07 (PCT/CA2020/000013)
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[30] US (62/802,652) 2019-02-07

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[51] **Int.Cl. C02F 9/04 (2006.01) B01D 24/18 (2006.01) B01D 24/46 (2006.01) C02F 1/50 (2006.01) C02F 1/52 (2006.01) C02F 1/72 (2006.01)**
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[54] **METHOD OF PURIFYING NATURAL WATER AND WASTEWATER**
[54] **PROCEDE DE PURIFICATION D'EAUX NATURELLES ET USEES**
[72] BALAEV, IGOR SEMENOVICH, RU
[71] DYCLAR GMBH, CH
[85] 2021-08-05
[86] 2019-07-31 (PCT/RU2019/000536)
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[30] RU (2019113558) 2019-04-29

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[51] **Int.Cl. B26D 7/26 (2006.01) B25B 27/14 (2006.01) B26D 3/26 (2006.01) B26D 3/28 (2006.01)**
[25] EN
[54] **KNIFE REPLACEMENT TOOLS AND METHODS OF USING THE SAME TO REMOVE KNIVES FROM MACHINES**
[54] **OUTILS DE REMPLACEMENT DE COUTEAU ET PROCEDES D'UTILISATION DE TELS OUTILS PERMETTANT DE RETIRER DES COUTEAUX DE MACHINES**
[72] GEREG, DUSTIN JOSEPH, US
[72] KLOCKOW, SCOTT ALAN, US
[71] URSCHEL LABORATORIES, INC., US
[85] 2021-08-04
[86] 2020-02-20 (PCT/US2020/019085)
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[30] US (62/807,838) 2019-02-20

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[51] **Int.Cl. C07C 39/23 (2006.01) B01D 11/02 (2006.01) C07B 63/04 (2006.01)**
[25] EN
[54] **METHOD FOR SELECTIVE SEPARATION, ISOLATION AND RECOVERY OF CANNABIDIOL AND CANNABIDIOL-LIKE MEROTERPENE ACIDS FROM COMPLEX MATRICES**
[54] **PROCEDE DE SEPARATION, D'ISOLEMENT ET DE RECUPERATION SELECTIFS DE CANNABIDIOL ET D'ACIDES MEROTERPENIQUES DE TYPE CANNABIDIOL A PARTIR DE MATRICES COMPLEXES**
[72] NAHTIGAL, ISTOK, CA
[71] NAHTIGAL, ISTOK, CA
[85] 2021-08-05
[86] 2020-02-04 (PCT/CA2020/050135)
[87] (WO2020/160652)
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[51] **Int.Cl. B02C 13/28 (2006.01) B02C 13/04 (2006.01) B02C 23/08 (2006.01) B09B 5/00 (2006.01) E21B 43/34 (2006.01)**
[25] EN
[54] **MILL SYSTEMS AND METHODS FOR PROCESSING DRILL CUTTINGS**
[54] **SYSTEMES ET PROCEDES POUR CONCASSEUR PERMETTANT DE TRAITER DES DEBLAIS DE FORAGE**
[72] MALLONEE, DOUGLAS, US
[72] HARRIS, BRUCE, US
[71] MALLONEE, DOUGLAS, US
[71] HARRIS, BRUCE, US
[85] 2021-08-05
[86] 2019-02-11 (PCT/US2019/017516)
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[51] **Int.Cl. H01J 37/20 (2006.01) H01J 37/26 (2006.01)**
[25] EN
[54] **NANOFLUIDIC CELL AND LOADING PLATFORM**
[54] **CELLULE NANOFLUIDIQUE ET PLATE-FORME DE CHARGEMENT**
[72] SCIAINI, GERMAN, CA
[72] PETRUK, ARIEL, CA
[71] SCIAINI, GERMAN, CA
[71] PETRUK, ARIEL, CA
[85] 2021-08-05
[86] 2020-02-05 (PCT/CA2020/050144)
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[54] **AQUEOUS PERFUME COMPOSITIONS**
[54] **COMPOSITIONS DE PARFUM AQUEUSES**
[72] LEE, WILSON A., US
[72] DRUCKER, NATALIE M., US
[71] ELC MANAGEMENT LLC, US
[85] 2021-08-05
[86] 2020-01-24 (PCT/US2020/015057)
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[25] EN
[54] **METHOD AND APPARATUS FOR ULTRA-SHORT PULSED LASER COMMUNICATION THROUGH A LOSSY MEDIUM**
[54] **PROCEDE ET APPAREIL DE COMMUNICATION A LASER PULSEE ULTRA-COURTE A TRAVERS UN MILIEU AVEC PERTE**
[72] CHAFFEE, THOMAS MALCOLM, US
[72] SZAJOWSKI, PAUL F., US
[72] FLEISHAUER, ROBERT P., US
[71] ATTOCHRON, LLC, US
[85] 2021-08-05
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[54] **NEURAL NETWORK IMAGE ANALYSIS**
[54] **ANALYSE D'IMAGE PAR RESEAU NEURONAL**
[72] ABOLMAESUMI, PURANG, CA
[72] LIAO, ZHIBIN, CA
[72] TSANG, TERESA, CA
[72] BEHNAMI, DELARAM, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2021-08-05
[86] 2020-02-05 (PCT/CA2020/050147)
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[30] US (62/801,827) 2019-02-06
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[51] **Int.Cl. E21B 17/02 (2006.01) E21B 17/08 (2006.01) E21B 19/16 (2006.01)**
[25] EN
[54] **TUBING SYSTEM FOR WELL OPERATIONS**
[54] **SYSTEME DE COLONNE DE PRODUCTION POUR OPERATIONS DE PUITS**
[72] BECKER, BILLY G., US
[71] DUCON - BECKER SERVICE TECHNOLOGY, LLC., US
[85] 2021-08-05
[86] 2019-10-03 (PCT/US2019/054387)
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[30] US (62/801,396) 2019-02-05

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[51] **Int.Cl. G01B 11/25 (2006.01) G01B 11/245 (2006.01)**
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[54] **A METHOD AND A SYSTEM FOR 3D IMAGING**
[54] **PROCEDE ET SYSTEME D'IMAGERIE MEDICALE**
[72] JIANG, CHENG, CA
[72] KILCULLEN, PATRICK, CA
[72] LIANG, JINYANG, CA
[71] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CA
[85] 2021-08-05
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[51] **Int.Cl. A61F 2/42 (2006.01)**
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[54] **PREPARING A TIBIA FOR RECEIVING TIBIAL IMPLANT COMPONENT OF A REPLACEMENT ANKLE**
[54] **PREPARATION D'UN TIBIA POUR LA RECEPTION D'UN COMPOSANT D'IMPLANT TIBIAL D'UNE CHEVILLE DE REMPLACEMENT**
[72] KUBACKI, MEGHAN, US
[72] LUNA, RAMON, US
[72] STROHKIRCH, TERRANCE W., US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
[85] 2021-08-05
[86] 2020-01-28 (PCT/US2020/015373)
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[30] US (62/853,818) 2019-05-29

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[51] **Int.Cl. A47B 96/00 (2006.01) B25B 11/00 (2006.01) B25J 15/00 (2006.01) F16B 12/00 (2006.01)**
[25] EN
[54] **ROBOTIC SYSTEMS AND METHODS FOR ASSEMBLING FURNITURE**
[54] **SYSTEMES ET PROCEDES ROBOTISES POUR L'ASSEMBLAGE DE MEUBLES**
[72] BELANGER, LANGIS, CA
[72] COLLIN, JEAN-PHILIPPE, CA
[71] MIRALIS INC., CA
[85] 2021-08-05
[86] 2020-02-07 (PCT/CA2020/050163)
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[30] US (62/802,876) 2019-02-08

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[51] **Int.Cl. G06F 13/00 (2006.01) H04N 7/173 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRANSFERRING MEDICAL IMAGE RECORDS USING A PREFERRED TRANSFER PROTOCOL**
[54] **SYSTEMES ET PROCEDES DE TRANSFERT D'ENREGISTREMENTS D'IMAGES MEDICALES A L'AIDE D'UN PROTOCOLE DE TRANSFERT PREFERE**
[72] KIBBLE, GARY, US
[71] FUJIFILM MEDICAL SYSTEMS U.S.A., INC., US
[85] 2021-08-05
[86] 2020-01-30 (PCT/US2020/015783)
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[30] US (16/369,782) 2019-03-29

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[51] **Int.Cl. A23B 7/02 (2006.01) A23L 5/00 (2016.01) A23B 7/01 (2006.01) A23L 3/40 (2006.01) A23L 3/54 (2006.01) A23N 12/08 (2006.01) F26B 3/347 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD, AND APPARATUS FOR ON-SITE PROCESSING OF PLANT-BASED WASTE FOODS**
[54] **SYSTEME, PROCEDE ET APPAREIL DE TRANSFORMATION SUR SITE DE DECHETS ALIMENTAIRES A BASE DE PLANTES**
[72] BURKE, DARREN, CA
[71] OUTCAST FOODS INC., CA
[85] 2021-08-05
[86] 2020-02-07 (PCT/CA2020/050164)
[87] (WO2020/160676)
[30] US (62/803,247) 2019-02-08

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[25] EN
[54] **A METHOD OF IMMUNE MODULATION BY MODULATING ABCF1**
[54] **METHODE DE MODULATION DE L'IMMUNITE PAR MODULATION DE L'ABCF1**
[72] ARORA, HITESH, CA
[72] JEFFERIES, WILFRED, CA
[72] MUNRO, LONNA, CA
[72] PFEIFER, CHERYL, CA
[72] WILCOX, SARA, CA
[71] PACIFIC MYCO BIOSCIENCES LTD., CA
[85] 2021-08-05
[86] 2020-02-14 (PCT/CA2020/050192)
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[30] US (62/805,397) 2019-02-14

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[51] **Int.Cl. C12P 7/06 (2006.01) C12M 1/00 (2006.01)**
[25] EN
[54] **PROCESS FOR RECOVERING CLOSE BOILING PRODUCTS**
[54] **PROCEDE DE RECUPERATION DE PRODUITS A POINT D'EBULLITION PROCHE**
[72] GAO, ALLAN HAIMING, US
[72] CONRADO, ROBERT JOHN, US
[72] GRIFFIN, DEREK WAYNE, US
[72] TIAN, PENG, US
[71] LANZATECH, INC., US
[85] 2021-08-05
[86] 2019-12-20 (PCT/US2019/067981)
[87] (WO2020/163020)
[30] US (62/803,120) 2019-02-08

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[51] **Int.Cl. B32B 27/06 (2006.01) B65D 1/02 (2006.01) B65D 1/40 (2006.01)**
[25] EN
[54] **PROCESS OF FORMING POLYMERIC MATERIAL**
[54] **PROCEDE DE FORMAGE D'UN MATERIAU POLYMERE**
[72] EICKHOFF, JONATHAN, US
[72] DEWIG, RYAN, US
[72] MANN, JEFFREY, US
[72] ACKERMAN, ROY E., US
[72] EICHELBERGER, DAN, US
[72] BARNES, HOLDEN W., US
[72] BAUGHMAN, ZACHARY L., US
[72] CHAPMAN, KODY A., US
[72] DAVIS, DANIEL O., US
[71] BERRY GLOBAL, INC., US
[85] 2021-08-05
[86] 2020-02-05 (PCT/US2020/016783)
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[30] US (62/802,014) 2019-02-06

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[51] **Int.Cl. A61L 27/52 (2006.01) A61K 31/724 (2006.01) A61K 47/18 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PRESERVATIVE REMOVAL FROM OPHTHALMIC FORMULATIONS COMPRISING COMPLEXING AGENTS**
[54] **SYSTEMES ET PROCEDES D'ELIMINATION DE CONSERVATEUR DE FORMULATIONS OPHTALMIQUES COMPRENANT DES AGENTS COMPLEXANTS**
[72] MALANGA, MICHAEL T., US
[72] GOLUB, HOWARD L., US
[71] TEARCLEAR CORP., US
[85] 2021-08-05
[86] 2020-02-05 (PCT/US2020/016879)
[87] (WO2020/163528)
[30] US (62/802,132) 2019-02-06
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[25] EN
[54] **ENCAPSULATION SLEEVE GASKET ASSEMBLY WITH DETACHABLE INNER LAYER**
[54] **ENSEMBLE JOINT D'ETANCHEITE DE MANCHON D'ENCAPSULATION A COUCHE INTERNE SEPARABLE**
[72] PIONTEK, DARYL M., US
[72] FONTES, RICHARD, US
[71] TOTAL PIPING SOLUTIONS, INC., US
[85] 2021-08-05
[86] 2020-01-31 (PCT/US2020/016111)
[87] (WO2020/163167)
[30] US (16/271,145) 2019-02-08
[30] US (16/509,205) 2019-07-11

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[51] **Int.Cl. A61M 5/34 (2006.01) A61M 5/32 (2006.01) A61N 5/10 (2006.01)**
[25] EN
[54] **NEEDLE SENSOR ASSEMBLY AND METHOD OF USE OF SAME**
[54] **ENSEMBLE CAPTEUR D'AIGUILLE ET PROCEDE POUR SON UTILISATION**
[72] MCILRATH, PATRICK, US
[71] TRACKER SYRINGE, LLC, US
[85] 2021-08-05
[86] 2020-02-04 (PCT/US2020/016486)
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[30] US (62/802,791) 2019-02-08

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[51] **Int.Cl. G01N 33/48 (2006.01) C12Q 1/6809 (2018.01) G01N 33/15 (2006.01) G01N 33/483 (2006.01) G01N 33/574 (2006.01) G16B 25/10 (2019.01)**
[25] EN
[54] **MARKERS FOR THE DIAGNOSIS OF BIOCHEMICAL RECURRENCE IN PROSTATE CANCER**
[54] **MARQUEURS POUR LE DIAGNOSTIC DE RECURRENCE BIOCHIMIQUE DANS LE CANCER DE LA PROSTATE**
[72] KIEBISH, MICHAEL ANDREW, US
[72] NARAIN, NIVEN RAJIN, US
[72] SARANGARAJAN, RANGAPRASAD, US
[72] AKMAEV, VIATCHESLAV R., US
[72] RODRIGUES, LEONARDO, US
[72] ZHANG, LIXIA, US
[72] MILLIMAN, ERIC, US
[72] SRIVASTAVA, SHIV, US
[72] DOBI, ALBERT, US
[72] CULLEN, JENNIFER, US
[71] BERG LLC, US
[71] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US
[85] 2021-08-05
[86] 2020-02-06 (PCT/US2020/016989)
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[51] **Int.Cl. C12N 15/62 (2006.01) A61K 35/12 (2015.01) A61K 38/20 (2006.01) A61P 35/00 (2006.01) C07K 14/54 (2006.01) C07K 14/705 (2006.01) C07K 14/715 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **CHIMERIC CYTOKINE RECEPTORS**
[54] **RECEPTEURS DE CYTOKINE CHIMERIQUE**
[72] JENSEN, MICHAEL C., US
[72] SAXBY, CHRISTOPHER P., US
[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE), US
[85] 2021-08-05
[86] 2020-02-06 (PCT/US2020/017067)
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[30] US (62/802,847) 2019-02-08

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[51] **Int.Cl. C07J 63/00 (2006.01) A61K 31/56 (2006.01) A61P 5/40 (2006.01)**
[25] EN
[54] **GLYCYRRHETINIC ACID DERIVATIVES FOR USE IN TREATING HYPERKALEMIA**
[54] **DERIVES D'ACIDE GLYCYRRHETINIQUE DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE L'HYPERKALIEMIE**
[72] DRAGOLI, DEAN, US
[72] LUEHR, GARY, US
[72] CHEN, TAO, US
[72] LEWIS, JASON, US
[72] LEADBETTER, MICHAEL, US
[71] ARDELYX, INC., US
[85] 2021-08-05
[86] 2020-02-06 (PCT/US2020/017077)
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[30] US (62/802,210) 2019-02-07

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[54] **IMIDAZO[2,1-F][1,2,4]TRIAZIN-4-AMINE DERIVATIVES AS TLR7 AGONIST**
[54] **DERIVES D'IMIDAZO[2,1-F][1,2,4]TRIAZIN-4-AMINE UTILISES EN TANT QU'A GONISTES DE TLR7**
[72] ZHANG, GUOLIANG, CN
[72] MIAO, JIANZHUANG, CN
[72] ZHOU, CHANGYOU, CN
[72] CHEN, GANG, CN
[72] LI, JING, CN
[71] BEIGENE, LTD., KY
[85] 2021-08-05
[86] 2020-02-06 (PCT/CN2020/074437)
[87] (WO2020/160711)
[30] CN (PCT/CN2019/074732) 2019-02-07
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[51] **Int.Cl. H04R 27/00 (2006.01) G06F 3/16 (2006.01) G10L 15/22 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR DISTRIBUTED VOICE PROCESSING**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE TRAITEMENT VOCAL DISTRIBUE**
[72] SMITH, CONNOR KRISTOPHER, US
[72] TOLOMEI, JOHN, US
[72] LEE, BETTY, US
[71] SONOS, INC., US
[85] 2021-08-05
[86] 2020-02-07 (PCT/US2020/017150)
[87] (WO2020/163679)
[30] US (16/271,550) 2019-02-08
[30] US (16/271,560) 2019-02-08

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[51] **Int.Cl. E01F 9/654 (2016.01) E01F 9/688 (2016.01) G09F 15/00 (2006.01)**
[25] EN
[54] **PORTABLE COLLAPSIBLE BARRICADE**
[54] **BARRIERE PLIABLE PORTABLE**
[72] METTLER, CHARLES M., US
[72] BROWN, GREGORY H., US
[72] SPEAKER, STEPHEN A., US
[72] SANTIAGO-DIAZ, EDGARDO, US
[71] PLASTIC SAFETY SYSTEMS, INC., US
[85] 2021-08-05
[86] 2020-02-07 (PCT/US2020/017173)
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[30] US (62/803,481) 2019-02-09

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[51] **Int.Cl. B67D 7/74 (2010.01) B67D 1/00 (2006.01) B67D 1/07 (2006.01) B67D 1/08 (2006.01) B67D 1/12 (2006.01) F16K 31/06 (2006.01)**
[25] EN
[54] **BEVERAGE DISPENSING SYSTEMS WITH LIMITED TIME OFFERING CIRCUITS**
[54] **SYSTEMES DE DISTRIBUTION DE BOISSON A CIRCUITS D'OFFRE LIMITEE DANS LE TEMPS**
[72] TRAN, SON VAN, US
[72] MCDOUGALL, DOUGLAS J., US
[72] MAY, PATRICK, US
[71] THE COCA-COLA COMPANY, US
[85] 2021-08-05
[86] 2020-02-04 (PCT/US2020/016519)
[87] (WO2020/163281)
[30] US (62/801,838) 2019-02-06
[30] US (62/883,956) 2019-08-07

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[51] **Int.Cl. G06F 21/70 (2013.01) H04L 9/08 (2006.01)**
[25] EN
[54] **GENERATION OF CERTIFIED RANDOM NUMBERS USING AN UNTRUSTED QUANTUM COMPUTER**
[54] **GENERATION DE NOMBRES ALEATOIRES CERTIFIES A L'AIDE D'UN ORDINATEUR QUANTIQUE NON SECURISE**
[72] AARONSON, SCOTT, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2021-08-05
[86] 2020-02-07 (PCT/US2020/017176)
[87] (WO2020/226715)
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[51] **Int.Cl. B60N 2/39 (2006.01)**
[25] EN
[54] **PASSIVE SELF-ADJUSTING SEAT ASSEMBLY FOR A LAWN MAINTENANCE VEHICLE**
[54] **ENSEMBLE SIEGE A REGLAGE AUTOMATIQUE PASSIF POUR VEHICULE D'ENTRETIEN DE PELOUSE**
[72] HILLER, ADAM, US
[72] WOODRUM, ADAM, US
[72] KUCERA, JEFF, US
[72] SOOY, JOSH, US
[72] GRETCHKO, MICHAEL, US
[71] MTD PRODUCTS INC, US
[85] 2021-08-05
[86] 2020-02-05 (PCT/US2020/016737)
[87] (WO2020/163442)
[30] US (62/801,202) 2019-02-05
[30] US (62/907,992) 2019-09-30

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[51] **Int.Cl. A61K 31/444 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **POLYVALENT DERIVATIVES OF EMOXYPINE**
[54] **DERIVES POLYVALENTS D'EMOXYPINE**
[72] NICOLAU, CLAUDE, US
[72] LEHN, JEAN-MARIE, US
[72] THINARD, RENALD, US
[72] ATOINI, YOUSSEF, US
[71] ALSATECH, INC., US
[85] 2021-08-05
[86] 2020-02-07 (PCT/US2020/017192)
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[30] US (62/802,323) 2019-02-07

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[51] **Int.Cl. A61K 31/166 (2006.01) A61P 25/00 (2006.01) C07C 235/42 (2006.01) C07C 235/46 (2006.01)**
[25] EN
[54] **HISTONE ACETYLTRANSFERASE MODULATORS AND COMPOSITIONS AND USES THEREOF**
[54] **MODULATEURS D'HISTONE ACETYLTRANSFERASE ET COMPOSITIONS ET UTILISATIONS ASSOCIEES**
[72] DE VRIES, LUUK, NL
[72] ZUCCARELLO, ELISA, US
[72] CALCAGNO, ELISA, US
[72] LANDRY, DONALD W., US
[72] DENG, SHIXIAN, US
[72] FIORITO, JOLE, US
[72] ARANCIO, OTTAVIO, US
[72] YARNOLD, CHRISTOPHER JOHN, GB
[72] JONES, RICHARD SCOTT, GB
[72] ROWLEY, JULIAN HUGH, GB
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[71] APPIA PHARMACEUTICALS LLC, US
[85] 2021-08-05
[86] 2020-02-07 (PCT/US2020/017236)
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[30] US (62/803,195) 2019-02-08

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[51] **Int.Cl. B29C 64/124 (2017.01) B29C 64/129 (2017.01) B29C 64/245 (2017.01) B29C 64/314 (2017.01) B29C 64/35 (2017.01)**
[25] EN
[54] **THREE-DIMENSIONAL PRINTING SYSTEM**
[54] **SYSTEMES D'IMPRESSION TRIDIMENSIONNELLE**
[72] MEDALSY, IZHAR, US
[72] TRINGALI, LUCIANO, US
[72] BARKER, NATHAN, US
[72] BARKER, STEVE, US
[71] NEXA3D INC., US
[85] 2021-05-05
[86] 2019-11-07 (PCT/US2019/060219)
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[30] US (62/758,413) 2018-11-09

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[51] **Int.Cl. A61K 9/127 (2006.01) A61K 47/50 (2017.01) A61K 47/62 (2017.01) A61K 9/51 (2006.01) A61K 38/43 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **TELOMERASE-CONTAINING EXOSOMES FOR TREATMENT OF DISEASES ASSOCIATED WITH AGING AND AGE-RELATED ORGAN DYSFUNCTION**
[54] **EXOSOMES CONTENANT DE LA TELOMERASE POUR LE TRAITEMENT DE MALADIES ASSOCIEES AU VIEILLISSEMENT ET A UN DYSFONCTIONNEMENT D'ORGANE LIE A L'AGE**
[72] KALLURI, RAGHU, US
[71] THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2021-08-05
[86] 2020-02-07 (PCT/US2020/017194)
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[30] US (62/803,023) 2019-02-08

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[51] **Int.Cl. C12Q 1/6806 (2018.01) C12N 15/10 (2006.01) C12Q 1/00 (2006.01) C12Q 1/68 (2018.01) G01N 33/48 (2006.01)**
[25] EN
[54] **ISOLATION AND DETECTION OF EXOSOME-ASSOCIATED MICROBIOME FOR DIAGNOSTIC AND THERAPEUTIC PURPOSES**
[54] **ISOLEMENT ET DETECTION DU MICROBIOME ASSOCIE A UN EXOSOME A DES FINS DIAGNOSTIQUES ET THERAPEUTIQUES**
[72] KALLURI, RAGHU, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2021-08-05
[86] 2020-02-07 (PCT/US2020/017224)
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[30] US (62/802,994) 2019-02-08

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[51] **Int.Cl. C12Q 1/6809 (2018.01)**
[25] EN
[54] **METHODS FOR NONINVASIVE PRENATAL TESTING OF FETAL ABNORMALITIES**
[54] **PROCEDES DE TEST PRENATAL NON INVASIF POUR DECELER DES ANOMALIES FOETALES**
[72] KOUMBARIS, GEORGE, CY
[72] ACHILLEOS, ACHILLEAS, CY
[72] TSANGARAS, KYRIAKOS, CY
[72] LOIZIDES, CHARALAMBOS, CY
[72] IOANNIDES, MARIOS, CY
[72] PATSALIS, PHILIPPOS, CY
[71] NIPD GENETICS PUBLIC COMPANY LIMITED, CY
[85] 2021-08-05
[86] 2020-02-11 (PCT/EP2020/053504)
[87] (WO2020/165190)
[30] EP (19156991.2) 2019-02-13

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[51] **Int.Cl. A61K 39/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHOD OF SAFE ADMINISTRATION OF PHOSPHORYLATED TAU PEPTIDE VACCINE**
[54] **METHODE D'ADMINISTRATION SURE D'UN VACCIN DE PEPTIDE DE TAU PHOSPHORYLE**
[72] PFEIFER, ANDREA, CH
[72] MUHS, ANDREAS, CH
[72] PIHLGREN BOSCH, MARIA, CH
[72] VUKICEVIC VERHILLE, MARIJA, CH
[72] PIOT, NICOLAS, CH
[72] GHIMIRE, SAROJ RAJ, CH
[72] RAMSBURG, ELIZABETH ANNE, US
[72] DE MARCO, DONATA, US
[72] SADAKA, CHARLOTTE, US
[71] AC IMMUNE S.A., CH
[71] JANSSEN PHARMACEUTICALS, INC, US
[85] 2021-08-05
[86] 2020-02-07 (PCT/US2020/017235)
[87] (WO2020/163730)
[30] US (62/802,870) 2019-02-08

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[13] A1
[51] **Int.Cl. B65D 43/02 (2006.01) B65D 50/02 (2006.01)**
[25] EN
[54] **CHILD RESISTANT GLASS CONTAINER**
[54] **CONTENANT EN VERRE A L'EPREUVE DES ENFANTS**
[72] KNOBEL, SIMON, US
[72] HAYES, MATTHEW, US
[72] GONZALEZ, ALEXANDER, US
[72] CLARK, JEFFREY, US
[71] CR PACKAGING LLC, US
[71] CR PACKAGING LLC, US
[85] 2021-08-05
[86] 2020-02-07 (PCT/US2020/017237)
[87] (WO2020/163732)
[30] US (62/802,381) 2019-02-07
[30] US (62/825,976) 2019-03-29
[30] US (62/849,593) 2019-05-17
[30] US (62/896,954) 2019-09-06

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[13] A1
[51] **Int.Cl. A61C 9/00 (2006.01)**
[25] EN
[54] **COMPRESSIVE MOUTHGUARD FITTING DEVICE**
[54] **DISPOSITIF D'AJUSTEMENT DE PROTEGE-DENTS DE COMPRESSION**
[72] HONOUR, ANDREW, GB
[72] LOVAT, ANTHONY, GB
[71] OPRO INTERNATIONAL LIMITED, GB
[85] 2021-08-05
[86] 2020-02-10 (PCT/GB2020/050291)
[87] (WO2020/161503)
[30] GB (1901770.6) 2019-02-08

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[54] **SYSTEM AND METHODS FOR TREATING CANCER CELLS WITH ALTERNATING POLARITY MAGNETIC FIELDS**
[54] **SYSTEME ET PROCEDES DE TRAITEMENT DE CELLULES CANCEREUSES A CHAMPS MAGNETIQUES A POLARITE ALTERNEE**
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[71] SHARMA, VIVEK K., US
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[54] **METHODS AND COMPONENTS FOR PRODUCING CHILD RESISTANT GLASS CONTAINERS**
[54] **PROCEDES ET COMPOSANTS PERMETTANT DE PRODUIRE DES RECIPIENTS EN VERRE DE SECURITE POUR ENFANTS**
[72] KNOBEL, SIMON, US
[72] GONZALEZ, ALEXANDER, US
[72] HAYES, MATTHEW, US
[72] CLARK, JEFFREY, US
[71] CR PACKAGING LLC, US
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[54] **METHODS OF MAKING CHEMICALLY RESISTANT SEALING COMPONENTS**
[54] **PROCEDES DE FABRICATION DE COMPOSANTS D'ETANCHEITE CHIMIQUEMENT RESISTANTS**
[72] KUTCHKO, CYNTHIA, US
[72] EPSTEIN, ERIC S., US
[72] WILKINSON, BRYAN, US
[72] HUANG, ZHISONG, US
[72] MANION, SEAN J., US
[72] DOBOSZ, KERIANNE M., US
[71] PPG INDUSTRIES OHIO, INC., US
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[54] **AGENTS ARNI CONTRE L'INFECTION PAR LE VIRUS DE L'HEPATITE B**
[72] GIVEN, BRUCE D., US
[72] HAMILTON, JAMES C., US
[72] SCHLUEP, THOMAS, US
[72] BEUMONT, MARIA GLORIA, US
[72] LENZ, OLIVER, US
[72] KALMEIJER, RONALD CORNELIS MARIE, US
[71] ARROWHEAD PHARMACEUTICALS, INC., US
[71] JANSSEN PHARMACEUTICALS, INC, US
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[54] **MULTILAYER SYSTEMS AND METHODS OF MAKING MULTILAYER SYSTEMS**
[54] **SYSTEMES MULTICOUCHES ET PROCEDES DE FABRICATION DE SYSTEMES MULTICOUCHES**
[72] KUTCHKO, CYNTHIA, US
[72] BUBAS, MICHAEL, US
[72] WILKINSON, BRYAN, US
[72] EPSTEIN, ERIC S., US
[72] CUI, WEIBIN, US
[72] LIN, RENHE, US
[71] PPG INDUSTRIES OHIO, INC., US
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[54] **TRANSPOSON-BASED MODIFICATIONS OF IMMUNE CELLS**
[54] **MODIFICATIONS A BASE DE TRANSPOSON DE CELLULES IMMUNITAIRES**
[72] COBBOLD, MARK, US
[72] LEE, MAGGIE, US
[72] MINSHULL, JEREMY, US
[72] SHI, FENG, US
[72] SHUI, YIFANG, US
[71] DNA TWOPOINTO INC., US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2021-08-05
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[54] **APPARATUS AND METHOD FOR PRODUCING TUBULAR PACKAGES**
[54] **APPAREIL ET PROCEDE DE PRODUCTION D'EMBALLAGES TUBULAIRES**
[72] FERRIS, KEVIN, GB
[72] BORTOS, DANIEL, DE
[72] MUMAN, LEESHA, GB
[72] THISTLETON, BEN, GB
[72] LOXLEY, PHILL, GB
[72] BOSWORTH, COLIN, GB
[71] INTERCONTINENTAL GREAT BRANDS LLC, US
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[54] **PRODUCTION AND TRACKING OF ENGINEERED CELLS WITH COMBINATORIAL GENETIC MODIFICATIONS**
[54] **PRODUCTION ET SUIVI DE CELLULES MODIFIEES AVEC DES MODIFICATIONS GENETIQUES COMBINATOIRES**
[72] SALIT, MARC, US
[72] STEINMETZ, LARS M., US
[72] ST. ONGE, ROBERT, US
[72] SMITH, JUSTIN D., US
[72] ROY, KEVIN, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNOR UNIVERSITY, US
[71] GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF COMMERCE, US
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[54] **RECONSTRUCTION AND ASSESSMENT OF PROFICIENCY IN AN INTEGRATED DEBRIEF BY A SERVER IN A NETWORK**
[54] **RECONSTRUCTION ET EVALUATION DE COMPETENCE DANS UN COMPTE-RENDU INTEGRE PAR UN SERVEUR DANS UN RESEAU**
[72] HARRIS, DAVID, US
[72] GILROY, BRADFORD, US
[71] 2 CIRCLE, INC., US
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[86] 2020-02-07 (PCT/US2020/017318)
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[54] **APPAREIL ET PROCEDES DE PRODUCTION D'EMBALLAGES TUBULAIRES**
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[72] BORTOS, DANIEL, DE
[72] MUMAN, LEESHA, GB
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[54] **METHODS AND COMPOSITIONS FOR TREATING SLEEP APNEA**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE L'APNEE DU SOMMEIL**
[72] MONTEMURRO, LUIGI TARANTO, US
[72] WELLMAN, D. ANDREW, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2021-08-05
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[54] **COMPOSITE SCAFFOLD FOR THE REPAIR, RECONSTRUCTION, AND REGENERATION OF SOFT TISSUES**
[54] **ECHAFAUDAGE COMPOSITE POUR LA REPARATION, LA RECONSTRUCTION ET LA REGENERATION DE TISSUS MOUS**
[72] ROCCO, KEVIN A., US
[72] MOHANRAJ, BHAVANA, US
[72] OTT, JEFFREY, US
[72] BENDIGO, JUSTIN, US
[72] KOMENDA, JACOB EDWARD, US
[72] ARONSON, MARK THEODORE, US
[72] CARTER, ANDREW JAMES, US
[71] BIOREZ, INC., US
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[54] **COMPOSITIONS AND METHODS FOR GENERATING HAIR CELLS BY INHIBITING EPIGENETIC TARGETS**
[54] **COMPOSITIONS ET PROCEDES POUR GENERER DES CELLULES CILIEES PAR INHIBITION DE CIBLES EPIGENETIQUES**
[72] MCLEAN, WILL, US
[72] HARRISON, MEGAN, US
[72] HILL-DRZEWI, MELISSA, US
[72] TAIT, BRADLEY, US
[71] FREQUENCY THERAPEUTICS, INC., US
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[54] **SYSTEME D'ALERTE INTELLIGENT**
[72] SONG, YUH-SHEN, US
[72] LEW, CATHERINE, US
[72] SONG, ALEXANDER, US
[72] SONG, VICTORIA, US
[71] SONG, YUH-SHEN, US
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[54] **CONTENANT DE TRANSPORT**
[72] ROS, NICO, CH
[71] REP IP AG, CH
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[54] **APPAREIL LEVE-PATIENT**
[72] FERREIRA, JOAQUIM, PT
[72] DE SEIXAS GUIMARAES, TIAGO, PT
[72] MONTEIRO, MARK, NL
[72] LIPPERT, STEFAN, DE
[71] INVACARE INTERNATIONAL GMBH, CH
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[54] **PATIENT LIFT APPARATUS**
[54] **APPAREIL DE LEVAGE DE PATIENT**
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[72] DE SEIXAS GUIMARAES, TIAGO, PT
[72] MONTEIRO, MARK, NL
[72] LIPPERT, STEFAN, DE
[71] INVACARE INTERNATIONAL GMBH, CH
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[72] GANESH, RAMACHANDRAN, IN
[72] SANTAN, ONKAR PRAKASH, IN
[72] LAMBE, ABHIJEET ARUN, IN
[72] BASTIKOPPA, KRUTHI SATHISH, IN
[72] SINDHUAMUTHAN, KATHIRAVAN, IN
[71] BIOCON LIMITED, IN
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[86] 2020-02-05 (PCT/IB2020/050915)
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[54] **SHELF-STABLE ANTIMICROBIAL COMPOSITIONS**
[54] **COMPOSITIONS ANTIMICROBIENNES DE LONGUE CONSERVATION**
[72] ALDERSON, FARAZ AHMADPOUR, CA
[71] VIROX TECHNOLOGIES INC., CA
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[54] **FRAISE A NEIGE POUR LA PREPARATION DE PISTES DE SKI**
[72] UNTERHOLZNER, MARKUS, IT
[72] HOCHRAINER, STEFAN, IT
[71] PRINOTH S.P.A., IT
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[54] **BIOCATALYST-BASED CO2 STRIPPING TECHNIQUES AND RELATED SYSTEMS**
[54] **TECHNIQUES DE DECAPAGE AU CO2 BASEES SUR UN BIOCATALYSEUR ET SYSTEMES ASSOCIES**
[72] FRADETTE, SYLVIE, IT
[72] SURPRENANT, RICHARD, IT
[72] MADORE, ERIC, IT
[72] BOUTELDJA, HANA, IT
[72] LEFEBVRE, SYLVAIN, IT
[72] CLERVEAUX, FERRERE J., IT
[71] SAIPEM S.P.A., IT
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[25] EN
[54] **METHODS FOR NUCLEIC ACID ANALYSIS**
[54] **PROCEDES D'ANALYSE D'ACIDE NUCLEIQUE**
[72] ALMOGY, GILAD, US
[72] OBERSTRASS, FLORIAN, US
[72] BARAD, OMER, US
[72] SHEE, CHANDAN, US
[71] ULTIMA GENOMICS, INC., US
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[54] **COMPOSITIONS AND METHODS FOR IDENTIFICATION OF ANTIGEN SPECIFIC T CELLS**
[54] **COMPOSITIONS ET PROCEDES D'IDENTIFICATION DE LYMPHOCYTES T SPECIFIQUES A L'ANTIGENE**
[72] PENG, SONGMING, US
[72] QUACH, BOI BRYANT, US
[72] AN, DUO, US
[72] BAO, XIAOYAN ROBERT, US
[72] FRANZUSOFF, ALEXIS, US
[72] SENNINO, BARBARA, US
[72] DALMAS, OLIVIER, US
[72] MANDL-CASHMAN, STEFANIE, US
[71] PACT PHARMA, INC., US
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[54] **ANTIBODIES COMPRISING A COMMON LIGHT CHAIN AND USES THEREOF**
[54] **ANTICORPS COMPRENANT UNE CHAINE LEGERE COMMUNE ET LEURS UTILISATIONS**
[72] CHARPENTIER, THOMAS, US
[72] CHAMBERS, ROSS, US
[72] STAFFORD, LEWIS J., US
[72] BARNES, TREVOR, US
[72] SULLIVAN, JONATHAN T., US
[71] INTEGRAL MOLECULAR, INC., US
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[54] **COATING COMPOSITIONS FOR EROSION MITIGATION, AND COATED COMPONENTS AND METHODS USING SAID COATINGS**
[54] **COMPOSITIONS DE REVETEMENT POUR L'ATTENUATION DE L'EROSION, ET COMPOSANTS REVETUS ET PROCEDES UTILISANT LESDITS REVETEMENTS**
[72] RHYNE, LEE DAVID, US
[72] FERNANDEZ-HOYLE, KIMBERLY ANN, US
[72] RETTEW, ROBERT ERNEST, US
[72] CHALONER-GILL, BENJAMIN M., US
[72] CROWDER, PETER F., US
[71] CHEVRON U.S.A. INC., US
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[25] EN
[54] **METHOD FOR CALCULATING THE STRENGTH AND THE SERVICE LIFE OF A PROCESS APPARATUS THROUGH WHICH FLUID FLOWS**
[54] **PROCEDE DE CALCUL DE SOLIDITE ET DE LONGEVITE D'UN APPAREIL TECHNIQUE TRAVERSE PAR UN FLUIDE**
[72] STEINBAUER, MANFRED, DE
[72] FLUGGEN, RAINER, DE
[72] FREKO, PASCAL, DE
[72] HEINZ, PAUL, DE
[72] WOITALKA, ALEXANDER, DE
[72] HAIDER, PATRICK, DE
[72] MEHANOVIC, DINO, DE
[72] REITER, THOMAS, EC
[71] LINDE GMBH, DE
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[54] **COMPOSITIONS AND METHODS FOR PRODUCING RECOMBINANT AAV**
[54] **COMPOSITIONS ET PROCEDES POUR L'ADMINISTRATION D'AAV RECOMBINANTS**
[72] KANG, ANDREA J., US
[72] SUROSKY, RICHARD T., US
[72] WARD, ALEX MICHAEL, US
[71] SANGAMO THERAPEUTICS, INC., US
[85] 2021-08-05
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[25] EN
[54] **MODULATION OF REP PROTEIN ACTIVITY IN CLOSED-ENDED DNA (CEDNA) PRODUCTION**
[54] **MODULATION DE L'ACTIVITE DE LA PROTEINE REP DANS LA PRODUCTION D'ADN A EXTREMITE FERMEE**
[72] KOTIN, ROBERT MICHAEL, US
[72] UCHER, ANNA, US
[72] MALAKIAN, ARA KARL, US
[71] GENERATION BIO CO., US
[85] 2021-08-05
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[54] **AMUSEMENT RIDE AND METHOD FOR OPERATING AN AMUSEMENT RIDE**
[54] **MANEGE ET PROCEDE POUR FAIRE FONCTIONNER UN MANEGE**
[72] FRIEDBERGER, ANDREAS, DE
[72] FLEIG, RUDOLF, DE
[72] ENDERLE, JAN-PHILIP, DE
[71] MACK RIDES GMBH & CO. KG, DE
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[54] **SYSTEM AND METHOD FOR BULK USER SERVICE ASSIGNMENT USING CSV**
[54] **SYSTEME ET PROCEDE D'ATTRIBUTION MASSIVE DE SERVICE D'UTILISATEUR A L'AIDE D'UN FICHIER CSV**
[72] CHANG, DAVID, US
[72] DAS, SWARUP, IN
[72] HOWLEE, DEBABRATA, IN
[72] MALLICK, ABHISEK, IN
[72] ROY, AMIT, IN
[72] WIPPICH, DAVID, US
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[54] **PROCESS FOR MOULDING POLYMERIC FOAM CORE SANDWICH ARTICLES**
[54] **PROCEDE DE MOULAGE D'ARTICLES POLYMERES DOTES DE NOYAU EN MOUSSE EN SANDWICH**
[72] FEERICK, PATRICK, IE
[72] DOYLE, ADRIAN, IE
[71] PALTECH, IE
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[54] **ENGINEERED PESTICIDAL PROTEINS AND METHODS OF CONTROLLING PLANT PESTS**
[54] **PROTEINES PESTICIDES MODIFIEES ET PROCEDES DE LUTTE CONTRE LES PARASITES DES PLANTES**
[72] CHAE, HYUNSOOK S., US
[71] SYNGENTA CROP PROTECTION AG, CH
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[54] **SYSTEME DE TEPOGRAPHIE CEREBRALE POUR IMAGERIE PAR IRM ET PET SIMULTANEES**
[72] GOERTZEN, ANDREW, CA
[72] SAUNDERS, JOHN, CA
[72] SCHELLENBERG, JAMES, CA
[72] SPARKES, RYAN, CA
[72] ZHANG, GONG, CA
[71] SINO CANADA HEALTH INSTITUTE INC., CA
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[54] **UTILISATION D'UN SEL ACIDE DE FER (III) COMME ADDITIF POUR CIMENT, MORTIER OU BETON**
[72] WATT, OLIVIER, CH
[72] THOMAS, DELPHINE, CH
[71] HOLCIM TECHNOLOGY LTD, CH
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[54] **PYRIMIDINE DERIVATIVE CONTAINING COMPOSITIONS**
[54] **COMPOSITIONS CONTENANT UN DERIVE DE PYRIMIDINE**
[72] BRICHTA, LARS, US
[71] CHEMISTRYRX, US
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[54] **INJECTABLE CLORSULON COMPOSITIONS, METHODS AND USES THEREOF**
[54] **COMPOSITIONS INJECTABLES DE CLORSULON, PROCEDES ET UTILISATIONS DE CELLES-CI**
[72] PRESCOTT, TODD, US
[72] GALESKA, IZABELA, US
[72] YAMAT, MARILYN C., US
[72] DUDHAT, SIDDHI M., US
[71] BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC., US
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[54] **INFLUENCE D'UNE CHROMATOGRAPHIE SEQUENTIELLE EN TEMPS REEL**
[72] SCHWAN, PETER, DE
[72] BRANDT, HEIKO, DE
[72] LOBEDANN, MARTIN, DE
[72] BORCHERT, SVEN-OLIVER, DE
[72] POGGEL, MARTIN, DE
[72] HILLE, RUBIN, DE
[72] PAPADOPOULOS, ALEXANDROS, DE
[72] MRZIGLOD, THOMAS, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
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[54] **APOE GENOTYPING IN CANCER PROGNOSTICS AND TREATMENT**
[54] **GENOTYPAGE APOE DANS LE PRONOSTIC ET LE TRAITEMENT DU CANCER**
[72] TAVAZOIE, SOHAIL F., US
[72] OSTENDORF, BENJAMIN N., US
[72] TAVAZOIE, MASOUD, US
[72] GONSALVES, FOSTER, US
[71] THE ROCKEFELLER UNIVERSITY, US
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[54] **CENTRALE HYDROELECTRIQUE**
[72] SKLIVANOS, STEFANOS, DE
[72] SKLIVANOS, GEORGIOS, DE
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[54] **AUTOMATIC APPLICATION OF DOCTOR'S PREFERENCES WORKFLOW USING STATISTICAL PREFERENCE ANALYSIS**
[54] **APPLICATION AUTOMATIQUE DE FLUX DE TRAVAUX DE PREFERENCES DE MEDECIN A L'AIDE D'UNE ANALYSE STATISTIQUE DES PREFERENCES**
[72] ROSCHIN, ROMAN A., US
[72] KARNYGIN, EVGENII VLADIMIROVICH, US
[72] KIRSANOV, DMITRY, US
[72] YAZYKOV, GRIGORIY, US
[72] SABIROV, ILFAT, US
[72] MATVIENKO, RUSLAN, US
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[71] ALIGN TECHNOLOGY, INC., US
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[54] **DEVICE FOR THE DISCRIMINATION OF BIOLOGICAL TISSUES**
[54] **DISPOSITIF DE DISCRIMINATION DE TISSUS BIOLOGIQUES**
[72] ORTEGA-QUIJANO, NOE, ES
[72] BERNAL SIMON, NEBAI, ES
[72] OLCOZ BASARTE, INIGO, ES
[72] ARREGUI ALTUNA, JUAN, ES
[72] LAZKOZ DEL CAMPO, ARITZ, ES
[72] AGUILERA ANDOAGA, JOSE ANTONIO, ES
[72] ARAGON GARBIZU, CARLOS, ES
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[54] **BANDAGE DE TRAUMATISME AMELIORE**
[72] OWEN, JONATHAN, US
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[25] EN
[54] **MEANS AND METHODS FOR PREPARING ENGINEERED TARGET PROTEINS BY GENETIC CODE EXPANSION IN A TARGET PROTEIN-SELECTIVE MANNER**
[54] **MOYENS ET PROCEDES POUR LA PREPARATION DE PROTEINES CIBLES MODIFIEES PAR EXPANSION DU CODE GENETIQUE D'UNE MANIERE SELECTIVE VIS-A-VIS DES PROTEINES CIBLES**
[72] LEMKE, EDWARD ANTON, DE
[72] REINKEMEIER, CHRISTOPHER DIETER, DE
[72] ESTRADA GIRONA, GEMMA, GB
[71] EUROPEAN MOLECULAR BIOLOGY LABORATORY, DE
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[54] **COMBINATIONS OF BETA-LACTAM COMPOUNDS AND PROBENECID AND USES THEREOF**
[54] **COMBINAISONS DE COMPOSES BETA-LACTAME ET DE PROBENECIDE ET LEURS UTILISATIONS**
[72] DUNNE, MICHAEL, US
[72] LOUGHMAN, TOM, IE
[72] CAMERON, AARON, IE
[71] ITERUM THERAPEUTICS INTERNATIONAL LIMITED, IE
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[54] **INTEGRATED SYNTHESIS OF COMMODITY CHEMICALS FROM WASTE PLASTIC**
[54] **SYNTHESE INTEGREE DE PRODUITS CHIMIQUES DE MARCHANDISES A PARTIR DE DECHETS PLASTIQUES**
[72] HULTINE, DUSTIN J., US
[72] GRAUPNER, ROBERT KURT, US
[71] HULTINE, DUSTIN J., US
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[54] **DIAGNOSTIC DE STEATOHEPATITE NON ALCOOLIQUE**
[72] BROZEK, JOHN, FR
[71] GENFIT, FR
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[54] **METHOD FOR REVAMPING A CATALYTIC CONVERTER**
[54] **PROCEDE DE MODERNISATION D'UN CONVERTISSEUR CATALYTIQUE**
[72] FORMENTINI, FRANCESCO, IT
[71] CASALE SA, CH
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[54] **HYBRIDIZATION COMPOSITIONS AND METHODS FOR MAKING AND USING COMPOSITIONS**
[54] **COMPOSITIONS D'HYBRIDATION ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] MOLLERUP, JENS, US
[71] AGILENT TECHNOLOGIES, INC., US
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[54] **PLATFORM, SYSTEM AND METHOD OF GENERATING, DISTRIBUTING, AND INTERACTING WITH LAYERED MEDIA**
[54] **PLATE-FORME, SYSTEME ET PROCEDE DE GENERATION, DE DISTRIBUTION ET D'INTERACTION AVEC DES MEDIAS EN COUCHES**
[72] FIORENTINO, MICHAEL JAMES, US
[71] FIORENTINO, MICHAEL JAMES, US
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[54] **DISPOSITIF FILTRANT POUR LE TRAITEMENT DE LIQUIDES POLLUES**
[72] WIESENEDER, WERNER, AT
[72] LUTZ, PETER, AT
[71] SONNEK ENGINEERING GBMH, AT
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[54] **METHOD AND ARRANGEMENT FOR CLEANING A SENSOR**
[54] **PROCEDE ET DISPOSITIF DE NETTOYAGE D'UN CAPTEUR**
[72] LAND, GREG, US
[72] SOPER, DAVID, US
[72] STAMMEGNA, MARCO, US
[71] KEMIRA OYJ, FI
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[54] **INHIBITEUR DE KINASE ATR BAY1895344 DESTINE A ETRE UTILISE DANS LE TRAITEMENT D'UNE MALADIE HYPER-PROLIFERATIVE**
[72] KRICKAU, DENNIS, DE
[72] LAGKADINOU, ELENI, CH
[72] WENGNER, ANTJE MARGRET, DE
[72] KRAUSE, MICHAEL, DE
[72] SERNO, PETER, DE
[72] BAIRLEIN, MICHAELA, DE
[72] WILKINSON, GARY, DE
[72] WATTERS, SIOBHAN, GB
[72] ASSI, PARDIS, GB
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[54] **UTILISATION DU SPIROPIDION**
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[72] JOHNSON, STEPHEN, GB
[72] DANIELS, MIRIAM, GB
[71] SYNGENTA CROP PROTECTION AG, CH
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[54] **3,6-DISUBSTITUTED-2-PYRIDINALDOXIME SCAFFOLDS**
[54] **ECHAFAUDAGES DE 2-PYRIDINALDOXIME 3,6-DISUBSTITUES**
[72] BAATI, RACHID, FR
[72] BROWN, RICHARD, GB
[72] DIAS, JOSE, FR
[72] MARYAN-INSTONE, ALEX, GB
[72] YERRI, JAGADEESH, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE DE STRASBOURG, FR
[71] ETAT FRANCAIS (MINISTERE DES ARMEES), REPRESENTE PAR LA DIRECTION CENTRALE DU SERVICE DE SANTE DES ARMEES, FR
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[25] EN
[54] **A METHOD FOR THE TREATMENT OR PROPHYLAXIS OF CANCER BY TARGETING THE EXTRACELLULAR PORTION OF KERATIN 14 (KRT14) RESIDING ON CANCER CELLS**
[54] **PROCEDE DE TRAITEMENT OU DE PROPHYLAXIE DE CANCER PAR CIBLAGE DE PARTIE EXTRACELLULAIRE DE KERATINE 14 (KRT14) RESIDANT SUR DES CELLULES CANCEREUSES**
[72] STEPHENS, ANDREW NICHOLAS, AU
[72] BILANDZIC, MAREE, AU
[71] HUDSON INSTITUTE OF MEDICAL RESEARCH, AU
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[54] **UNMANNED AERIAL VEHICLE WITH COLLISION TOLERANT PROPULSION AND CONTROLLER**
[54] **VEHICULE AERIEN SANS PILOTE A PROPULSION TOLERANTE AUX COLLISIONS ET DISPOSITIF DE COMMANDE**
[72] SIDOTI, ANTONINO, CH
[72] VALCESCHINI, MATHIEU, CH
[72] PABOUCTSIDIS, ALEXANDRE, CH
[72] DALER, LUDOVIC, CH
[72] BRIOD, ADRIEN, CH
[71] FLYABILITY SA, CH
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[54] **FORMULATIONS PHARMACEUTIQUES SECHES DE CONJUGUES CNP**
[72] SKANDS, ANJA R.H., DK
[72] HERSEL, ULRICH, DE
[72] PINHOLT, CHARLOTTE, DK
[72] HEINIG, STEFAN, DE
[71] ASCENDIS PHARMA GROWTH DISORDERS A/S, DK
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[54] **METHOD FOR DRILLING A HOLE IN A PART MADE OF ELECTROCONDUCTIVE MATERIAL**
[54] **PROCEDE DE PERCAGE D'UN TROU DANS UNE PIECE EN MATERIAU ELECTROCONDUCTEUR**
[72] HUARD, PIERRE GASTON CLEMENT, FR
[72] VAN DOORN, ANTOINE, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
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[54] **IMPROVEMENTS RELATING TO UNDERGROUND MINING**
[54] **AMELIORATIONS CONCERNANT L'EXPLOITATION MINIERE SOUTERRAINE**
[72] MOORE, BENJAMIN WILLIAM, AU
[72] MASON, TIMOTHY SCOTT, AU
[71] BEWIMO PTY LTD, AU
[85] 2021-08-06
[86] 2020-02-14 (PCT/AU2020/050127)
[87] (WO2020/163920)
[30] GB (1902094.0) 2019-02-15

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[51] **Int.Cl. A61B 17/32 (2006.01) A61B 17/00 (2006.01) A61F 2/24 (2006.01) B26B 19/18 (2006.01) B26B 19/44 (2006.01) B26B 25/00 (2006.01) B26D 7/18 (2006.01)**
[25] EN
[54] **DEVICE FOR CONDITIONING EX VIVO PERICARDIAL TISSUE**
[54] **DISPOSITIF DE CONDITIONNEMENT DE TISSU PERICARDIQUE EX VIVO**
[72] ALBITOV, MICHAEL, IL
[72] IAMBERGER, MENI, IL
[72] HARITON, ILIA, IL
[71] CARDIOVALVE LTD., IL
[85] 2021-08-05
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[30] GB (1901887.8) 2019-02-11

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[25] EN
[54] **PHARMACEUTICAL FORMULATIONS**
[54] **FORMULATIONS PHARMACEUTIQUES**
[72] KIMPE, KRISTOF LEONARD, BE
[72] SHAH, SANKET, MANOJ, BE
[72] LATHUILE, AUDREY ANTOINETTE RENEE, BE
[72] HOLM, RENE, BE
[72] NEEFS, THOMAS EDDY R., BE
[72] PROKOPCOVA, HANA, BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2021-08-06
[86] 2020-02-20 (PCT/EP2020/054488)
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[30] CN (PCT/CN2019/075844) 2019-02-22

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[25] EN
[54] **LIQUID PHARMACEUTICAL FORMULATIONS OF PTH CONJUGATES**
[54] **FORMULATIONS PHARMACEUTIQUES LIQUIDES DE CONJUGUES PTH**
[72] SKANDS, ANJA R.H., DK
[72] CLEEMANN, FELIX, DE
[72] SORENSEN, MICHAEL DUELUND, DK
[72] BARON, JULIA, DE
[72] HOFFMANN, ERIC, DE
[72] SPROGOE, KENNETT, DK
[71] ASCENDIS PHARMA BONE DISEASES A/S, DK
[85] 2021-08-06
[86] 2020-02-10 (PCT/EP2020/053316)
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[25] FR
[54] **PROCEDE DE GESTION D'ACCES D'UN UTILISATEUR A UN SERVICE VOCAL, DISPOSITIF, SYSTEME ET PROGRAMMES CORRESPONDANTS**
[54] **METHOD FOR MANAGING THE ACCESS OF A USER TO A VOICE SERVICE, CORRESPONDING DEVICE, SYSTEM AND PROGRAMS**
[72] DUBREUIL, ARNAUD, FR
[72] D'AVOUT, QUITTERIE, FR
[72] QUENTIN, PIERRE, FR
[71] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
[85] 2021-08-06
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[25] EN
[54] **MULTI-CHAMBER RESERVOIR ASSEMBLY**
[54] **ENSEMBLE RESERVOIR A CHAMBRES MULTIPLES**
[72] ALLAN, RICHARD, CA
[71] ABC TECHNOLOGIES INC., CA
[85] 2021-08-06
[86] 2020-02-05 (PCT/CA2020/050139)
[87] (WO2020/160656)
[30] US (62/802,114) 2019-02-06
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[51] **Int.Cl. A01C 7/12 (2006.01)**
[25] EN
[54] **METERING DEVICE FOR GRANULAR MATERIAL AND DISTRIBUTION MACHINE HAVING METERING DEVICE**
[54] **DISPOSITIF DE DOSAGE POUR UN PRODUIT SOUS FORME DE GRAINS ET MACHINE DE REPARTITION POURVUE DU DISPOSITIF DE DOSAGE**
[72] RADEKE, JAN PHILIPP, DE
[72] WIEN, THOMAS, DE
[71] AMAZONEN-WERKE H. DREYER SE & CO. KG, DE
[85] 2021-08-05
[86] 2020-01-16 (PCT/EP2020/050956)
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[51] **Int.Cl. C07K 14/31 (2006.01) A61K 47/50 (2017.01) A61K 47/56 (2017.01) A61K 47/69 (2017.01) A61K 38/17 (2006.01) A61K 38/46 (2006.01) A61K 39/40 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C07K 14/195 (2006.01) C07K 16/12 (2006.01) C12N 1/20 (2006.01) C12N 1/21 (2006.01) C12N 7/01 (2006.01) C12N 15/09 (2006.01) C12N 15/31 (2006.01) C12N 15/63 (2006.01) C12N 15/67 (2006.01)**
[25] EN
[54] **ATTENUATION OF BACTERIAL INFECTION**
[54] **ATTENUATION D'UNE INFECTION BACTERIENNE**
[72] FLANNAGAN, RONALD S., CA
[72] HEINRICHS, DAVID E., CA
[71] THE UNIVERSITY OF WESTERN ONTARIO, CA
[85] 2021-08-06
[86] 2020-02-05 (PCT/CA2020/050142)
[87] (WO2020/160659)
[30] US (62/801,958) 2019-02-06
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[51] **Int.Cl. C09D 5/08 (2006.01) C09D 7/61 (2018.01) C09D 5/10 (2006.01)**
[25] EN
[54] **CORROSION PROTECTION FOR METALLIC SUBSTRATES**
[54] **PROTECTION CONTRE LA CORROSION DESTINEE A DES SUBSTRATS METALLIQUES**
[72] CHIKOSHA, LYNN, GB
[72] SHARP, MATTHEW DAVID, GB
[72] WHITEHEAD, SAMUEL EDWARD, GB
[72] WEAVER, WILLIAM, GB
[71] APPLIED GRAPHENE MATERIALS UK LIMITED, GB
[85] 2021-08-06
[86] 2020-02-06 (PCT/GB2020/050273)
[87] (WO2020/165556)
[30] GB (1901895.1) 2019-02-11
[30] GB (1901956.1) 2019-02-13

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[51] **Int.Cl. F01K 3/00 (2006.01) F03D 9/17 (2016.01) F03D 9/18 (2016.01) F01K 3/02 (2006.01) F01K 3/18 (2006.01) F01K 7/34 (2006.01) F01K 9/00 (2006.01) F01K 25/10 (2006.01)**
[25] EN
[54] **ENERGY STORAGE PLANT AND PROCESS**
[54] **INSTALLATION ET PROCEDE DE STOCKAGE D'ENERGIE**
[72] SPADACINI, CLAUDIO, IT
[71] ENERGY DOME S.P.A., IT
[85] 2021-08-06
[86] 2019-12-17 (PCT/IB2019/060896)
[87] (WO2020/039416)
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[25] EN
[54] **PROCESS OF PRODUCING CONCENTRATED THERAPEUTIC PHOSPHOLIPID COMPOSITION FROM KRILL EXTRACTS CONTAINING HIGH LEVEL OF FREE FATTY ACIDS**
[54] **PROCEDE DE PRODUCTION D'UNE COMPOSITION THERAPEUTIQUE CONCENTREE DE PHOSPHOLIPIDES A PARTIR D'EXTRAITS DE KRILL CONTENANT UNE TENEUR ELEVEE EN ACIDES GRAS LIBRES**
[72] AZIZ, SARYA, CA
[72] DESPINS, SIMON, CA
[72] LABRECQUE, REMI, CA
[72] LEMIEUX, PIERRE, CA
[71] ACASTI PHARMA INC., CA
[85] 2021-08-06
[86] 2020-02-07 (PCT/CA2020/050160)
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[30] US (62/804,285) 2019-02-12

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[51] **Int.Cl. B65D 81/32 (2006.01)**
[25] EN
[54] **MULTI-COMPARTMENT PACKAGE FOR PREPARING TAHINI BASED PRODUCTS AND METHOD OF USING THE SAME**
[54] **EMBALLAGE A PLUSIEURS COMPARTIMENTS DESTINE A PREPARER DES PRODUITS A BASE DE TAHINI ET SON PROCEDE D'UTILISATION**
[72] BASHIR, AREF, IL
[71] RUSHDI FOOD INDUSTRIES LTD., IL
[85] 2021-08-06
[86] 2020-02-05 (PCT/IL2020/050141)
[87] (WO2020/161713)
[30] IL (264737) 2019-02-07
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[51] **Int.Cl. G01L 17/00 (2006.01) B64F 5/60 (2017.01) B60C 23/04 (2006.01) G01D 3/10 (2006.01) G01M 17/00 (2006.01) G06F 1/26 (2006.01) G06K 19/07 (2006.01)**
[25] EN
[54] **SENSOR ASSEMBLY FOR DETERMINING A PHYSICAL PROPERTY OF A VEHICLE**
[54] **ENSEMBLE CAPTEUR PERMETTANT LA DETERMINATION D'UNE PROPRIETE PHYSIQUE D'UN VEHICULE**
[72] GOUTAGNY, RAPHAEL, CH
[72] BENOIT, STEPHANE, CH
[72] GIOSSI, SAMUEL, CH
[71] MEGGITT SA, CH
[85] 2021-08-06
[86] 2020-02-14 (PCT/EP2020/053996)
[87] (WO2020/165451)
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[25] EN
[54] **CANNABINOID RECEPTOR AGONISTS AND SERINE HYDROLASE ENZYME INHIBITOR BASED ANXIOLYTIC THERAPEUTIC PRODUCT**
[54] **AGONISTES DE RECEPTEURS DE CANNABINOIDES ET PRODUIT THERAPEUTIQUE ANXIOLYTIQUE A BASE D'INHIBITEUR D'ENZYME SERINE HYDROLASE**
[72] KODEKALRA, RAKSHIT DEVAPPA, CA
[72] PANDEY, NIHAR R., CA
[72] TIWARI-PANDEY, RASHMI, CA
[71] MEDIPURE PHARMACEUTICALS INC., CA
[85] 2021-08-06
[86] 2020-02-07 (PCT/CA2020/050165)
[87] (WO2020/160677)
[30] US (16/270,389) 2019-02-07

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[51] **Int.Cl. G03B 17/56 (2021.01) A61B 5/00 (2006.01) A61B 10/00 (2006.01) G03B 15/00 (2021.01) G03B 15/02 (2021.01) G03B 15/05 (2021.01) H04N 5/225 (2006.01)**
[25] EN
[54] **ILLUMINATION DEVICE AND IMAGING DEVICE**
[54] **DISPOSITIF D'ECLAIRAGE ET DISPOSITIF D'IMAGERIE**
[72] YOSHIDA, TOHRU, JP
[72] MATSUO, KATSUYUKI, JP
[71] CASIO COMPUTER CO., LTD., JP
[85] 2021-08-06
[86] 2020-01-20 (PCT/JP2020/001663)
[87] (WO2020/202710)
[30] JP (2019-066958) 2019-03-29
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[51] **Int.Cl. E21B 21/00 (2006.01) E21B 21/01 (2006.01) E21B 36/00 (2006.01) E21B 41/00 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **INTERNALLY HEATED SCREWS**
[54] **VIS INTERIEUREMENT CHAUFFEES**
[72] KAPILA, RAJESH C., US
[72] HOFFMAN, BARRY, CA
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-08-06
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[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING IN-STENT RESTENOSIS**
[54] **COMPOSITION PHARMACEUTIQUE DESTINEE A PREVENIR LA RESTENOSE INTRA-STENT**
[72] HONMOU, OSAMU, JP
[72] SASAKI, MASANORI, JP
[72] SASAKI, YUKO, JP
[72] OKA, SHINICHI, JP
[72] NAKAZAKI, MASAHITO, JP
[72] MAEZAWA, RIE, JP
[71] SAPPORO MEDICAL UNIVERSITY, JP
[71] NIPRO CORPORATION, JP
[85] 2021-08-06
[86] 2020-02-07 (PCT/JP2020/004698)
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[30] JP (2019-020707) 2019-02-07

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[51] **Int.Cl. C07K 16/24 (2006.01) A61K 38/00 (2006.01) G01N 33/15 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF RHEUMATOID ARTHRITIS AND ACCELERATED ATHEROSCLEROSIS**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DE LA POLYARTHRITE RHUMATOIDE ET DE L'ATHEROSCLEROSE ACCELEREE**
[72] LIANG, BERTRAND C., US
[72] RUIZ, STACEY, US
[72] FARINA, CHRISTOPHER JOHN, US
[71] ABCENTRA, LLC, US
[85] 2021-08-06
[86] 2019-05-29 (PCT/US2019/034439)
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[30] US (62/677,595) 2018-05-29

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[51] **Int.Cl. A61C 13/08 (2006.01)**
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[54] **PROSTHETIC TOOTH**
[54] **DENT PROTHETIQUE**
[72] SCHOTTLANDER, BRIAN, GB
[71] DAVIS, SCHOTTLANDER & DAVIS LTD, GB
[85] 2021-08-06
[86] 2020-02-17 (PCT/GB2020/050367)
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[30] GB (1902213.6) 2019-02-18

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[51] **Int.Cl. A61K 31/404 (2006.01) A61K 35/747 (2015.01) A61P 1/00 (2006.01) A61P 3/00 (2006.01) A61P 37/08 (2006.01) C07D 487/04 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **USE OF ACTIVATORS OF THE ARYL HYDROCARBON RECEPTOR FOR TREATING GLUTEN-INDUCED GASTROINTESTINAL DISEASES**
[54] **UTILISATION D'ACTIVATEURS DU RECEPTEUR D'HYDROCARBURE ARYLE POUR LE TRAITEMENT DE MALADIES GASTRO-INTESTINALES INDUITES PAR LE GLUTEN**
[72] WELLS, JEREMY MARK, NL
[72] LANGELLA, PHILIPPE, FR
[72] SOKOL, HARRY, FR
[72] LAMAS, BRUNO, FR
[72] VERDU, ELENA, CA
[71] MCMASTER UNIVERSITY, CA
[71] WAGENINGEN UNIVERSITEIT, NL
[71] INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, FR
[85] 2021-08-06
[86] 2020-02-07 (PCT/CA2020/050168)
[87] (WO2020/160680)
[30] US (62/803,071) 2019-02-08

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[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/36 (2006.01) A61N 1/372 (2006.01)**
[25] EN
[54] **FITTING ALGORITHM TO DETERMINE BEST STIMULATION PARAMETER IN A SPINAL CORD STIMULATION SYSTEM**
[54] **ALGORITHME D'AJUSTEMENT POUR DETERMINER LE MEILLEUR PARAMETRE DE STIMULATION DANS UN SYSTEME DE STIMULATION DE LA MOELLE EPINIERE**
[72] ZHANG, TIANHE, US
[72] ESTELLER, ROSANA, US
[71] BOSTON SCIENTIFIC NEUROMODULATION CORPORATION, US
[85] 2021-08-06
[86] 2020-01-13 (PCT/US2020/013341)
[87] (WO2020/163044)
[30] US (62/803,003) 2019-02-08
[30] US (16/460,655) 2019-07-02

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[51] **Int.Cl. H04N 19/436 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **MOVING-IMAGE CODING DEVICE AND MOVING-IMAGE DECODING DEVICE**
[54] **DISPOSITIF DE CODAGE D'IMAGES EN MOUVEMENT ET DISPOSITIF DE DECODAGE D'IMAGES EN MOUVEMENT**
[72] IKAI, TOMOHIRO, JP
[72] AONO, TOMOKO, JP
[72] CHUJOH, TAKESHI, JP
[72] YASUGI, YUKINOBU, JP
[72] SASAKI, EIICHI, JP
[71] SHARP KABUSHIKI KAISHA, JP
[71] FG INNOVATION COMPANY LIMITED, CN
[85] 2021-08-06
[86] 2020-02-07 (PCT/JP2020/004869)
[87] (WO2020/162609)
[30] JP (2019-021630) 2019-02-08
[30] JP (2019-057031) 2019-03-25

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[51] **Int.Cl. G10L 15/02 (2006.01) G10L 15/30 (2013.01) G06F 3/16 (2006.01) G10L 13/00 (2006.01) G10L 15/22 (2006.01)**
[25] EN
[54] **PRIVACY DEVICE FOR SMART SPEAKERS**
[54] **DISPOSITIF DE CONFIDENTIALITE POUR HAUT-PARLEURS INTELLIGENTS**
[72] STACHURA, THOMAS, CA
[71] STACHURA, THOMAS, CA
[85] 2021-08-06
[86] 2020-02-07 (PCT/CA2020/050171)
[87] (WO2020/160683)
[30] US (62/802,628) 2019-02-07
[30] US (62/958,305) 2020-01-07

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[51] **Int.Cl. A24F 1/30 (2006.01)**
[25] EN
[54] **HOOKAH DEVICE**
[54] **DISPOSITIF DE NARGUILE**
[72] BROYAN, MIKHAIL, AM
[72] ELAM, JOHN MICHAEL, US
[72] ALEXANDER, GILBERT, US
[72] HEDDEN, JACKSON, US
[72] TYNESKI, FRANK, US
[71] ADALSIA LIMITED, CY
[85] 2021-08-06
[86] 2020-03-06 (PCT/IB2020/000117)
[87] (WO2020/178633)
[30] US (62/815,167) 2019-03-07
[30] US (62/929,273) 2019-11-01

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[51] **Int.Cl. G09F 19/00 (2006.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **ADVERTISEMENT CONTACT DETERMINATION SYSTEM, ADVERTISEMENT CONTACT DETERMINATION DEVICE, AND PROGRAM**
[54] **SYSTEME DE DETERMINATION DE CONTACT AVEC UNE PUBLICITE, DISPOSITIF DE DETERMINATION DE CONTACT AVEC UNE PUBLICITE ET PROGRAMME**
[72] MAEKAWA, SHUN, JP
[72] HAMADA, KEI, JP
[72] NAGATA, DAIKI, JP
[71] DENTSU INC., JP
[85] 2021-08-06
[86] 2020-02-14 (PCT/JP2020/005737)
[87] (WO2020/166693)
[30] JP (2019-025497) 2019-02-15

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[51] **Int.Cl. B01J 23/885 (2006.01) B01J 21/02 (2006.01) B01J 37/08 (2006.01) C07C 1/213 (2006.01)**
[25] EN
[54] **CATALYSTS FOR THE DEOXYGENATION OF ESTERS OF FREE FATTY ACIDS AND TRIGLYCERIDES**
[54] **CATALYSEURS DE DESOXYGENATION D'ESTERS D'ACIDES GRAS LIBRES ET DE TRIGLYCERIDES**
[72] LI, ZHIYONG, CA
[72] MISTRY, BHARAT, CA
[72] SINGH, INDER PAL, CA
[72] SINGH, SHRADHA, CA
[71] SBI BIOENERGY, CA
[85] 2021-08-06
[86] 2020-02-12 (PCT/CA2020/050183)
[87] (WO2020/168418)
[30] US (62/807,300) 2019-02-19

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[51] **Int.Cl. A61K 9/10 (2006.01) A61K 9/00 (2006.01) A61K 9/50 (2006.01) A61K 31/192 (2006.01) A61K 47/06 (2006.01)**
[25] EN
[54] **MINIMIZING AERATION OF SUSPENSIONS DURING IN-LINE MIXING**
[54] **MINIMISATION DE L'AERATION DE SUSPENSIONS PENDANT UN MELANGE EN LIGNE**
[72] MCLAUGHLIN, ROSALEEN, GB
[72] HOWES, SIMON ANDREW MARTYN, GB
[72] WHITEHOUSE, JONATHON, GB
[71] CATALENT U.K. SWINDON ZYDIS LIMITED, GB
[85] 2021-08-06
[86] 2020-02-21 (PCT/GB2020/050419)
[87] (WO2020/169988)
[30] US (62/809,293) 2019-02-22

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[25] EN
[54] **PRODUCT PIERCING TAG**
[54] **ETIQUETTE A PERCEMENT DE PRODUIT**
[72] SCHILLER, DAVID, US
[72] MILBRANDT, JAY, US
[71] BEDFORD INDUSTRIES, INC., US
[85] 2021-08-06
[86] 2020-01-29 (PCT/US2020/015543)
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[30] US (62/810,459) 2019-02-26

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[51] **Int.Cl. H05B 6/64 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A PART FROM POWDER**
[54] **PROCEDE DE PRODUCTION DE PIECE A PARTIR DE POUDRE**
[72] LVOV, DENIS ERNESTOVICH, RU
[71] LVOV, DENIS ERNESTOVICH, RU
[71] DORONIN, ALEXANDER FEDOROVICH, RU
[85] 2021-08-06
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[54] **SYSTEMS AND METHODS FOR VEHICLE POSITION CALIBRATION USING RACK LEG IDENTIFICATION AND MAST SWAY COMPENSATION**
[54] **SYSTEMES ET PROCEDES D'ETALONNAGE DE LA POSITION D'UN VEHICULE PAR IDENTIFICATION DE MONTANTS DE RAYONNAGE ET COMPENSATION D'OSCILLATION DE MAT**
[72] THODE, JUSTIN FORBES, US
[72] LEE, GRACE DA-IN, US
[71] CROWN EQUIPMENT CORPORATION, US
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[54] **REPARATION DE FUITE MODULAIRE**
[72] GARCIA, ADRIAN, US
[72] THISTLETHWAITE, ADAM, US
[72] GUEST, MATTHEW, US
[72] CAMPBELL, ANDREW, US
[72] CHALUPSKY, DANIEL, US
[72] SWAIN, MARK LEE, US
[72] YASENSKY, MATTHEW, US
[71] TEAM INDUSTRIAL SERVICES, INC., US
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[54] **SYSTEMS AND METHODS FOR OUT OF AISLE LOCALIZATION AND VEHICLE POSITION CALIBRATION USING RACK LEG IDENTIFICATION**
[54] **SYSTEMES ET PROCEDES POUR LOCALISATION HORS ALLEE ET ETALONNAGE DE POSITION DE VEHICULE PAR IDENTIFICATION DE MONTANT DE RAYONNAGE**
[72] THODE, JUSTIN FORBES, US
[72] LEE, GRACE DA-IN, US
[71] CROWN EQUIPMENT CORPORATION, US
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[54] **SYSTEM FOR FIXING A MEDICAL ROBOT IN POSITION**
[54] **SYSTEME D'IMMOBILISATION D'UN ROBOT MEDICAL**
[72] NAHUM, BERTIN, FR
[72] BADANO, FERNAND, FR
[72] BLONDEL, LUCIEN, FR
[72] PESCHER, ESTELLE, FR
[71] QUANTUM SURGICAL, FR
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[54] **UE, NETWORK NODE AND METHODS FOR HANDLING 2-STEP AND 4-STEP RANDOM ACCESS PROCEDURES**
[54] **UE, N□UD DE RESEAU, ET PROCEDES POUR LA GESTION DE PROCEDURES D'ACCES ALEATOIRE EN 2 ETAPES ET EN 4 ETAPES**
[72] CHRISTOFFERSSON, JAN, SE
[72] WANG, MIN, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2021-08-06
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[54] **EFFICIENT PRODUCT CLEAVAGE IN TEMPLATE-FREE ENZYMATIC SYNTHESIS OF POLYNUCLEOTIDES.**
[54] **CLIVAGE EFFICACE DE PRODUIT DANS LA SYNTHESE ENZYMATIQUE SANS MATRICE DE POLYNUCLEOTIDES**
[72] CRETON, SANDRINE, FR
[71] DNA SCRIPT, FR
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[54] **DYNAMIC POWER MANAGEMENT FOR ELECTRONIC LOCKSETS**
[54] **GESTION D'ENERGIE DYNAMIQUE DE SERRURES COMPLETES ELECTRONIQUES**
[72] LONG, JOSHUA A., US
[72] BAUMGARTE, JOSEPH W., US
[72] LUIF, JOHN, US
[71] SCHLAGE LOCK COMPANY LLC, US
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[25] EN
[54] **MINIMIZING AGGLOMERATION, AERATION, AND PRESERVING THE COATING OF PHARMACEUTICAL COMPOSITIONS COMPRISING IBUPROFEN**
[54] **REDUCTION AU MINIMUM DE L'AGGLOMERATION, DE L'AERATION ET PRESERVATION DU REVETEMENT DE COMPOSITIONS PHARMACEUTIQUES COMPRENANT DE L'IBUPROFENE**
[72] MCLAUGHLIN, ROSALEEN, GB
[72] PARKER, ADAM, GB
[72] HOWES, SIMON ANDREW MARTYN, GB
[72] WHITEHOUSE, JONATHON, GB
[72] WHEADON, CRAIG, GB
[71] CATALENT U.K. SWINDON ZYDIS LIMITED, GB
[85] 2021-08-06
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[54] **METHODS AND COMPOSITIONS FOR CLINICAL EVALUATION OF THERAPEUTIC AGENTS**
[54] **PROCEDE ET COMPOSITIONS POUR L'EVALUATION CLINIQUE D'AGENTS THERAPEUTIQUES**
[72] LAMOUSE-SMITH, ESI SAMA NATVA, US
[72] SABINS, NINA, US
[71] JANSSEN BIOTECH, INC., US
[85] 2021-08-06
[86] 2020-01-15 (PCT/IB2020/050303)
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[54] **SYSTEMS AND METHODS FOR END OF AISLE PROTECTION AND VEHICLE POSITION CALIBRATION USING RACK LEG IDENTIFICATION**
[54] **SYSTEMES ET PROCEDES D'ETALONNAGE DE LA PROTECTION D'ALLEE ET DE LA POSITION DE VEHICULE PAR IDENTIFICATION DE MONTANTS DE RAYONNAGE**
[72] THODE, JUSTIN FORBES, US
[72] LEE, GRACE DA-IN, US
[71] CROWN EQUIPMENT CORPORATION, US
[85] 2021-08-06
[86] 2020-02-04 (PCT/US2020/016580)
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[54] **IMPACT-COOLING TUBULAR INSERT FOR A TURBOMACHINE DISTRIBUTOR**
[54] **INSERT TUBULAIRE DE REFROIDISSEMENT PAR IMPACT POUR UN DISTRIBUTEUR DE TURBOMACHINE**
[72] KLEIN, GUILLAUME, FR
[72] VOLLEBREGT, MATTHIEU JEAN LUC, FR
[72] LARDELLIER, THOMAS JOSEPH, FR
[72] CARREROT, GUILLAUME, FR
[72] LAVIGNOTTE, STEPHANE, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[71] SAFRAN HELICOPTER ENGINES, FR
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[54] **PROVIDING SERVICES WITH GUEST VM MOBILITY**
[54] **FOURNITURE DE SERVICES PRESENTANT UNE MOBILITE DE VM INVITEE**
[72] MISHRA, RAHUL, US
[72] LECUYER, CAMILLE, US
[72] GOKHALE, SAAHIL, US
[72] NAIR, RAJEEV, US
[72] CHALVADI, ANUPREM, US
[72] PING, YANG, US
[72] MUNDARAGI, KANTESH, IN
[72] ROLANDO, PIERLUIGI, US
[72] JAIN, JAYANT, US
[72] KOGANTY, RAJU, US
[71] VMWARE, INC., US
[85] 2021-08-06
[86] 2020-02-03 (PCT/US2020/016457)
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[30] US (62/809,464) 2019-02-22
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[30] US (16/444,956) 2019-06-18
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[54] **RETRACTION DE VERROU MOTORISEE AVEC RAPPEL DE RETOUR**
[72] LONG, JOSHUA A., US
[72] BAUMGARTE, JOSEPH W., US
[72] LUIF, JOHN, US
[71] SCHLAGE LOCK COMPANY LLC, US
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[25] EN
[54] **SOUND QUALITY ENHANCEMENT SYSTEM AND DEVICE**
[54] **SYSTEME ET DISPOSITIF D'AMELIORATION DE LA QUALITE SONORE**
[72] STEINBERG, NEVIN, US
[72] FUNK, ANDREW, US
[72] CRYSTAL, JASON, US
[71] STEINBERG, NEVIN, US
[71] FUNK, ANDREW, US
[71] CRYSTAL, JASON, US
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[30] US (16/287,861) 2019-02-27

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[51] **Int.Cl. E02F 3/36 (2006.01) E02F 3/38 (2006.01) E02F 3/42 (2006.01)**
[25] EN
[54] **APPARATUS FOR FACILITATING PIVOTAL MOVEMENT OF IMPLEMENTS IN MACHINES**
[54] **APPAREIL DE FACILITATION DE MOUVEMENT PIVOTANT D'OUTILS DANS DES MACHINES**
[72] KERESTES, CHAD WILLIAM, US
[71] CATERPILLAR INC., US
[85] 2021-08-06
[86] 2020-02-05 (PCT/US2020/016693)
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[25] EN
[54] **MOTOR CONTROL CIRCUIT WITH POWER FACTOR CONNECTION**
[54] **CIRCUIT DE COMMANDE DE MOTEUR AVEC CONNEXION DE FACTEUR DE PUISSANCE**
[72] LAU, SHEK FAI, US
[71] F'REAL! FOODS, LLC, US
[85] 2021-08-06
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[25] EN
[54] **PRESERVING FUNCTIONALLY-COATED API PARTICLES PRODUCED BY SOLVENTLESS MIXING PROCESSES IN AQUEOUS SUSPENSION**
[54] **PRESERVATION DE PARTICULES D'API A REVETEMENT FONCTIONNEL PRODUITES PAR DES PROCEDES DE MELANGE SANS SOLVANT DANS UNE SUSPENSION AQUEUSE**
[72] MCLAUGHLIN, ROSALEEN, GB
[72] PARKER, ADAM, GB
[72] WHITEHOUSE, JONATHON, GB
[71] CATALENT U.K. SWINDON ZYDIS LIMITED, GB
[85] 2021-08-06
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[54] **GROWTH HORMONE-RELEASING HORMONE ANTAGONISTS AND USES THEREOF**
[54] **ANTAGONISTES D'HORMONE DE LIBERATION D'HORMONE DE CROISSANCE ET LEURS UTILISATIONS**
[72] JACKSON, ROBERT M., US
[72] SCHALLY, ANDREW V., US
[72] CAI, RENZHI, US
[72] CAI, XIANYANG ZHANG, US
[72] WANG, HAIBO, US
[72] SHA, WEI, US
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[71] UNIVERSITY OF MIAMI, US
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[54] **CADDY SYSTEM FOR EQUIPMENT STERILIZATION**
[54] **SYSTEME DE CHARIOT POUR STERILISATION D'EQUIPEMENT**
[72] OKO, WALTER J., US
[72] COHEN, SCOTT E., US
[71] K1 MEDICAL TECHNOLOGIES, LLC, US
[85] 2021-08-06
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[30] US (62/801,818) 2019-02-06

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[54] **CANCER THERAPY**
[54] **THERAPIE ANTI-CANCEREUSE**
[72] MCNEEL, DOUG, US
[72] LESNIEWSKI, RICHARD R., US
[71] MADISON VACCINES INC., US
[85] 2021-08-06
[86] 2020-02-07 (PCT/US2020/017172)
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[54] **LOW POWER DRIVER FOR PRIVACY GLAZING**
[54] **DISPOSITIF D'EXCITATION A FAIBLE PUISSANCE POUR LES VITRAGES D'INTIMITE**
[72] PETERS, CHAD, US
[72] SCHLEDER, NICHOLAS, US
[72] BJERGAARD, ERIC, US
[71] CARDINAL IG COMPANY, US
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[54] **RESEAUX DE SERVICE VIRTUELS**
[72] BORDELEAU, MARC-ANDRE, CA
[72] KOMMULA, RAJA, US
[72] TIDEMANN, JEREMY, US
[72] POLYCHRONOPOULO, CONSTANTINE, US
[72] CHOH, EDWARD, CA
[72] GUPTA, OJAS, US
[72] OIKONOMOU, GEORGIO, GR
[72] KIDD, ROBERT, US
[71] VMWARE, INC., US
[85] 2021-08-06
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[30] US (62/809,558) 2019-02-22
[30] US (62/809,659) 2019-02-24
[30] US (62/809,655) 2019-02-24
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[54] **INSECT REPELLING COMPOSITION**
[54] **COMPOSITION INSECTIFUGE**
[72] THOMPSON, DARYL L., US
[72] MEYER, THOMAS A., US
[72] VAN REES, NICHOLAS A., US
[71] GLOBAL BIOLIFE INC., US
[85] 2021-08-06
[86] 2020-02-07 (PCT/US2020/017183)
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[51] **Int.Cl. A61K 31/12 (2006.01) A61K 31/191 (2006.01) C12P 7/26 (2006.01)**
[25] EN
[54] **BETA-HYDROXYBUTYRATE MIXED SALT-ACID COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DE SEL D'ACIDE MIXTE DE BETA-HYDROXYBUTYRATE ET PROCEDES D'UTILISATION**
[72] MILLET, GARY, US
[71] AXCESS GLOBAL SCIENCES, LLC, US
[85] 2021-08-06
[86] 2020-02-06 (PCT/US2020/016952)
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[30] US (16/272,145) 2019-02-11
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[54] **BRUSH PRODRUGS AND USES THEREOF**
[54] **PROMEDICAMENTS A BROSSE ET LEURS UTILISATIONS**
[72] JOHNSON, JEREMIAH A., US
[72] VOHIDOV, FARRUKH, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2021-08-06
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[54] **COREACTIVE THREE-DIMENSIONAL PRINTING OF PARTS**
[54] **IMPRESSION 3D DE PIECES PAR CO-REACTIFS**
[72] KUTCHKO, CYNTHIA, US
[72] EPSTEIN, ERIC S., US
[72] WILKINSON, BRYAN W., US
[72] BUBAS, MICHAEL A., US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2021-08-06
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[25] EN
[54] **FLOW METER SYSTEMS AND METHODS PROVIDING CONFIGURABLE FUNCTIONALITY**
[54] **SYSTEMES DE DEBITMETRE ET PROCEDES FOURNISSANT UNE FONCTIONNALITE CONFIGURABLE**
[72] PEACE, DANIEL W., US
[72] MCCRACKEN, MICHAEL S., US
[71] SENSUS SPECTRUM LLC, US
[85] 2021-08-06
[86] 2020-02-07 (PCT/US2020/017232)
[87] (WO2020/167606)
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[54] **LYMPHOCYTES T CHIMERIQUES AYANT SUBI UNE ABLATION DE SIRT2**
[72] KIM, SUNGJUNE, US
[71] H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE INC., US
[85] 2021-08-06
[86] 2020-02-06 (PCT/US2020/016963)
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[30] US (62/803,101) 2019-02-08
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[51] **Int.Cl. C08L 23/12 (2006.01) B65D 43/02 (2006.01) B65D 53/06 (2006.01) C08L 23/14 (2006.01)**
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[54] **POLYPROPYLENE SHEETS AND ARTICLES**
[54] **FEUILLES ET ARTICLES DE POLYPROPYLENE**
[72] PENG, YUCHENG, US
[72] EICKHOFF, JONATHAN, US
[72] DEWIG, RYAN, US
[72] MANN, JEFFREY A., US
[72] WILSON, DEBRA R., US
[71] BERRY GLOBAL, INC., US
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[54] **REGLAGE DE FERME-PORTE A DISPOSITIF ANTI-RETRAIT**
[72] SHETTY, ADITHYA G., IN
[72] PATTAR, JONAH, M., IN
[72] JACOB, COLINS, V., IN
[72] BARBON, MITCHELL T., US
[72] TOLODAY, DAVID V., US
[72] KOESKE, PAUL, US
[71] SCHLAGE LOCK COMPANY LLC, US
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[54] **VALVE APPARATUS FOR INFLOW CONTROL DEVICES**
[54] **APPAREIL DE SOUPAPE POUR DISPOSITIFS DE REGULATION DE DEBIT ENTRANT**
[72] ZACHARIAH, JACOB, SG
[72] FROSELL, THOMAS, US
[72] MCCHESNEY, RYAN WESLEY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **SURGICAL NEEDLE**
[54] **AIGUILLE CHIRURGICALE**
[72] GANAPATHY, ANAND, US
[72] BURKLAND, DAVID, US
[72] JOHN, MATHEWS, US
[72] GREET, BRIAN, US
[72] RAZAVI, MEHDI, US
[72] POST, ALLISON, US
[71] TEXAS HEART INSTITUTE, US
[71] BAYLOR COLLEGE OF MEDICINE, US
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[54] **PESTICIDAL MIXTURES**
[54] **MELANGES PESTICIDES**
[72] GEWEHR, MARKUS, DE
[72] MONTAG, JURITH, DE
[71] BASF SE, DE
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[86] 2020-02-12 (PCT/EP2020/053584)
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[54] **MYOSIN 15 PROMOTERS AND USES THEREOF**
[54] **PROMOTEURS DE MYOSINE 15 ET UTILISATIONS ASSOCIEES**
[72] BURNS, JOSEPH, US
[72] ELLIS, KATHRYN, US
[72] PALERMO, ADAM, US
[72] SCHWANDER, MARTIN, US
[72] WHITTON, JONATHON, US
[72] SABIN, LEAH, US
[72] KYRATSOUS, CHRISTOS, US
[72] DRUMMOND SAMUELSON, MEGHAN, US
[71] DECIBEL THERAPEUTICS, INC., US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2021-08-06
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[25] EN
[54] **DRUG DELIVERY COMPOSITIONS FOR OCULAR ADMINISTRATION OF THERAPEUTICS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS D'ADMINISTRATION DE MEDICAMENT POUR L'ADMINISTRATION OCULAIRE D'AGENTS THERAPEUTIQUES ET LEURS METHODES D'UTILISATION**
[72] JIANG, PENGFEI, US
[72] REILLY, KATELYN ELIZABETH, US
[72] OHR, MATTHEW P., US
[72] LANNUTTI, JOHN, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2021-08-06
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[54] **PEELABLE SWATCHES**
[54] **ECHANTILLONS DETACHABLES**
[72] PHELPS, ALICIA MARIE, US
[72] GONZALEZ, INANLLEY YUDERKA, US
[72] PAGNOTTI, VINCENT SALVATORE, JR., US
[72] PATEL, PANSY DHILON, US
[72] REARICK, BRIAN KIRK, US
[72] NOVITSKY, THEODORE FRANK, JR., US
[72] LUKUS, PETER ALAN, US
[71] PPG INDUSTRIES OHIO, INC., US
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[54] **NEISSERIA MENINGITIDIS COMPOSITIONS AND METHODS THEREOF**
[54] **COMPOSITIONS DE NEISSERIA MENINGITIDIS<I /> ET PROCEDES ASSOCIEES**
[72] ANDERSON, ANNALIESA SYBIL, US
[72] LIBERATOR, PAUL, US
[72] JONES, THOMAS RICHARD, US
[72] JANSEN, KATHRIN UTE, US
[72] PEREZ, JOHN LANCE, US
[72] HARRIS, SHANNON LEA, US
[71] PFIZER INC., US
[85] 2021-08-06
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[54] **MELANGES PESTICIDES**
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[72] GEWEHR, MARKUS, DE
[71] BASF SE, DE
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[54] **IMPLANTATION DEVICE**
[54] **DISPOSITIF D'IMPLANTATION**
[72] GANDHI, JAREL K., US
[72] MARMORSTEIN, ALAN D., US
[72] PULIDO, JOSE S., US
[72] KOEPSEL, JUSTIN T., US
[72] IEZZI, LUCAS A., US
[72] MANO, FUKUTARO, JP
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
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[54] **COMPOSITIONS, METHODS AND KITS FOR STABILIZING CELLS AND BIOLOGICAL SAMPLES**
[54] **COMPOSITIONS, METHODES ET NECESSAIRES POUR STABILISER DES CELLULES ET DES ECHANTILLONS BIOLOGIQUES**
[72] TONER, MEHMET, US
[72] SANDLIN, REBECCA, US
[72] KNECHT, ANNE, US
[72] WONG, HO KI KEITH, US
[72] TESSIER, SHANNON N., US
[72] STOTT, SHANNON, US
[71] THE GENERAL HOSPITAL CORPORATION, US
[71] SAPERE BIO, INC., US
[85] 2021-08-06
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[54] **ANTIOXIDANT-RELEASING VITREOUS SUBSTITUTES AND USES THEREOF**
[54] **SUBSTITUTS VITRES A LIBERATION D'ANTIOXYDANT ET LEURS UTILISATIONS**
[72] REILLY, KATELYN ELIZABETH, US
[72] REILLY, MATTHEW AARON, US
[72] TRAM, NGUYEN KHOI, US
[71] OHIO STATE INNOVATION FOUNDATION, US
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[54] **ORGANIC WASTE TREATMENT PROCESS**
[54] **APPAREIL DE TRAITEMENT DE DECHETS ORGANIQUES**
[72] LEVY, ILAN, IL
[72] HALPERIN, ODED, IL
[71] PAULEE CLEANTEC LTD., IL
[85] 2021-08-06
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[54] **GAP CONFIGURATION FOR MULTIPLE TRANSPORT BLOCKS**
[54] **CONFIGURATION D'INTERVALLE POUR MULTIPLES BLOCS DE TRANSPORT**
[72] LIU, LE, US
[72] RICO ALVARINO, ALBERTO, US
[72] ANANDA, RAGHAVENDRA SHYAM, US
[71] QUALCOMM INCORPORATED, US
[85] 2021-08-06
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[25] EN
[54] **SYSTEM AND METHOD FOR CONTINUOUS MANUFACTURE OF JOINT COMPOUND**
[54] **SYSTEME ET PROCEDE POUR LA FABRICATION CONTINUE D'UN COMPOSE DE JOINT**
[72] BLACKBURN, DAVID R., US
[72] CHANDRASEKARAN, DAYAKAR THODDU, US
[72] FINLEY, ERIN, US
[72] KAINI, NABIN, US
[72] KINCAID, TYLER, US
[72] MILLER, CHARLES J., US
[72] PARK, MICHAEL, US
[71] UNITED STATES GYPSUM COMPANY, US
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[86] 2020-02-13 (PCT/US2020/018032)
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[54] **CHILD-RESISTANT PACKAGING**
[54] **EMBALLAGE DE SECURITE POUR ENFANTS**
[72] WOTZER, PHILIPP, CH
[71] IDEEWISS AG, CH
[85] 2021-08-06
[86] 2020-02-12 (PCT/EP2020/053624)
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[25] EN
[54] **MINIMIZING AGGLOMERATION OF DRUG PARTICLE COATING MATERIAL DURING STORAGE TO STABILIZE DISINTEGRATION TIMES OF PHARMACEUTICAL PRODUCTS**
[54] **REDUCTION AU MINIMUM DE L'AGGLOMERATION DE MATERIAU DE REVETEMENT DE PARTICULE DE MEDICAMENT PENDANT LE STOCKAGE POUR STABILISER DES TEMPS DE DESINTEGRATION DE PRODUITS PHARMACEUT IQUES**
[72] MCLAUGHLIN, ROSALEEN, GB
[72] HOWES, SIMON ANDREW MARTYN, GB
[72] WHEADON, CRAIG, GB
[72] WHITEHOUSE, JONATHON, GB
[71] CATALENT U.K. SWINDON ZYDIS LIMITED, GB
[85] 2021-08-06
[86] 2020-02-21 (PCT/GB2020/050423)
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[54] **COMPOSITE GYPSUM BOARD AND RELATED METHODS**
[54] **PLAQUE DE PLATRE COMPOSITE ET PROCEDES ASSOCIES**
[72] HEMPHILL, MARK, US
[72] SANG, YIJUN, US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2021-08-06
[86] 2020-02-11 (PCT/US2020/017631)
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[25] EN
[54] **PROCESS FOR PREPARING {6-[(DIETHYLAMINO)METHYL]NAPHTHALEN-2-YL}METHYL [4-(HYDROXYCARBAMOYL)PHENYL]CARBAMATE HAVING HIGH PURITY**
[54] **PROCEDE DE PREPARATION DE {6-[(DIETHYLAMINO)METHYL]NAPHTHALEN-2-YL}METHYL[4-(HYDROXYCARBAMOYL)PHENYL]CARBAMATE DE HAUTE PURETE**
[72] TURCHETTA, STEFANO, IT
[72] ZENONI, MAURIZIO, IT
[72] ULLUCCI, ELIO, IT
[72] COCCIOLO, STEFANIA, IT
[72] BERARDI, GIORGIO, IT
[72] MAULUCCI, NAKIA, IT
[71] ITALFARMACO SPA, IT
[85] 2021-08-06
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[54] **TYK2 PSEUDOKINASE LIGANDS**
[54] **LIGANDS DE PSEUDOKINASE TYK2**
[72] MOHAN, RAJU, US
[72] NUSS, JOHN, US
[72] HARRIS, JASON, US
[72] YUAN, SHENDONG, US
[71] VENTYX BIOSCIENCES, INC., US
[85] 2021-08-06
[86] 2020-02-07 (PCT/US2020/017314)
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[54] **CELLULOSE-BASED SEPARATORS COMPRISING FLAME RETARDANT, AND USES THEREOF IN ELECTROCHEMISTRY**
[54] **SEPARATEURS A BASE DE CELLULOSE AVEC RETARDATEUR DE FLAMME, ET LEURS UTILISATIONS EN ELECTROCHIMIE**
[72] DELAPORTE, NICOLAS, CA
[72] PEREA, ALEXIS, CA
[72] ZAGHIB, KARIM, CA
[71] HYDRO-QUEBEC, CA
[85] 2021-08-06
[86] 2020-02-14 (PCT/CA2020/050193)
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[51] **Int.Cl. B65D 85/804 (2006.01) A47J 31/06 (2006.01)**
[25] EN
[54] **SINGLE-SERVE CAPSULE FOR PREPARING A BEVERAGE IN A BEVERAGE PREPARATION MACHINE, AND SYSTEM FOR PREPARING A BEVERAGE FROM SAID SINGLE-SERVE CAPSULE**
[54] **CAPSULE SERVANT A PREPARER UNE BOISSON DANS UNE MACHINE DE PRODUCTION DE BOISSON ET SYSTEME SERVANT A PREPARER UNE BOISSON A PARTIR DE CETTE CAPSULE**
[72] KRUEGER, MARC, DE
[72] EMPL, GUENTER, DE
[71] GCS GERMAN CAPSULE SOLUTION GMBH, DE
[85] 2021-08-06
[86] 2020-02-13 (PCT/EP2020/053677)
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[30] DE (10 2019 201 904.8) 2019-02-13
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[54] **FRACTURATION A L'ACIDE AVEC BOUCHONS SOLUBLES**
[72] WINKLER, ALBERT, SG
[72] PENNO, ANDREW, SG
[72] FRIPP, MICHAEL LINLEY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-08-06
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[30] US (62/852,153) 2019-05-23
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[54] **CAPILLARY COLLECTOR WITH ROTATABLE CONNECTION**
[54] **COLLECTEUR CAPILLAIRE A CONNEXION ROTATIVE**
[72] YAKHNICH, VLAD, US
[72] BOKKA SRINIVASA RAO, KISHORE K., US
[72] TORRIS, ANTHONY V., US
[72] IVOSEVIC, MILAN, US
[72] EDELHAUSER, ADAM, US
[71] BECTON. DICKINSON AND COMPANY, US
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[54] **A FLUID-DRIVEN LINEAR MOTOR**
[54] **MOTEUR LINEAIRE ENTRAINE PAR FLUIDE**
[72] FLADBY, JOSTEIN, NO
[72] FLADBY, TRYGVE, NO
[72] FLADBY, SISSEL, NO
[71] FLAPUMP AS, NO
[85] 2021-08-06
[86] 2020-02-18 (PCT/NO2020/050040)
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[54] **HYDROLYSIS RESISTANT POLYAMIDES**
[54] **POLYAMIDES RESISTANT A L'HYDROLYSE**
[72] SPARKS, BRADLEY J., US
[72] HENSARLING, RYAN M., US
[71] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US
[85] 2021-08-06
[86] 2020-02-12 (PCT/US2020/017912)
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[30] US (62/804,513) 2019-02-12

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[25] EN
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[54] **CAPSULE SERVANT A PREPARER UNE BOISSON DANS UNE MACHINE DE PRODUCTION DE BOISSON ET SYSTEME SERVANT A PREPARER UNE BOISSON A PARTIR DE CETTE CAPSULE**
[72] KRUEGER, MARC, DE
[72] EMPL, GUENTER, DE
[71] GCS GERMAN CAPSULE SOLUTION GMBH, DE
[85] 2021-08-06
[86] 2020-02-13 (PCT/EP2020/053678)
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[30] DE (10 2019 201 904.8) 2019-02-13
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[54] **CRYOPRESERVATION OF STEM CELLS**
[54] **CRYOCONSERVATION DE CELLULES SOUCHES**
[72] LOMBARDO DE LA CAMARA, ELEUTERIO, ES
[72] ORTIZ VIRUMBRALES, MAITANE, ES
[71] TIGENIX, S.A.U., ES
[85] 2021-08-09
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[25] EN
[54] **FLOW RESTRICTING STENT-GRAFT**
[54] **ENDOPROTHESE COUVERTE A RESTRICTION D'ECOULEMENT**
[72] EL AZOUZI, YOUSSEF, MA
[72] GANIY, SALEEM ABDUL, US
[71] AORTO MEDICAL LLC, MA
[85] 2021-08-06
[86] 2020-02-14 (PCT/US2020/018323)
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[54] **MODULAR INSTALLATION FOR TREATING WATER BY FLOTATION**
[54] **INSTALLATION MODULAIRE DE TRAITEMENT D'EAU PAR FLOTTATION**
[72] DEL PICOLO, CRISTINA, IT
[72] GIROLAMI, GIUSEPPE, IT
[72] VERCHERE, ROMAIN, FR
[72] VIGNERON-LAROSA, NATHALIE, FR
[71] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR
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[25] EN
[54] **PEPTIDE TARGETING GIP AND GLP-2 RECEPTORS FOR TREATING BONE DISORDERS**
[54] **PEPTIDE CIBLANT DES RECEPTEURS GIP ET GLP-2 POUR LE TRAITEMENT DE TROUBLES OSSEUX**
[72] MABILLEAU, GUILLAUME, FR
[72] MIECZKOWSKA, ALEKSANDRA, FR
[71] UNIVERSITE D'ANGERS, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE D'ANGERS, FR
[85] 2021-08-09
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[54] **ASSEMBLIES FOR ALIGNMENT AND LEVELLING OF AN ELECTROLYTIC TANK UPON EXPANSION OR RETRACTION THEREOF**
[54] **ENSEMBLES DESTINES A L'ALIGNEMENT ET A LA MISE A NIVEAU D'UN RESERVOIR ELECTROLYTIQUE LORS DE LA DILATATION OU DE LA RETRACTION DE CE DERNIER**
[72] DUFRESNE, ROBERT, CA
[71] PULTRUSION TECHNIQUE INC., CA
[85] 2021-08-09
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[54] **LEAD-COATED ARTICLE FOR INDUSTRIAL OPERATIONS IN ACIDIC MEDIUM**
[54] **ARTICLE REVETU DE PLOMB POUR OPERATIONS INDUSTRIELLES EN MILIEU ACIDE**
[72] DUFRESNE, ROBERT, CA
[71] PULTRUSION TECHNIQUE INC., CA
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[54] **FRESH AIR ASSEMBLY, AIR CONDITIONER INDOOR UNIT, AND AIR CONDITIONER**
[54] **ASSEMBLAGE D'AIR FRAIS, UNITE DE CLIMATISATION INTERIEURE ET CLIMATISEUR**
[72] ZHANG, HUAJUN, CN
[71] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
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[54] **SYSTEM FOR MODIFICATION OF A HUMAN OR ANIMAL BONE**
[54] **SYSTEME DE MODIFICATION D'UN OS HUMAIN OU ANIMAL**
[72] SCHLEE, MARKUS, DE
[71] BRODBECK, URS, CH
[71] ZIPPRICH, HOLGER, DE
[71] SCHLEE, MARKUS, DE
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[54] **HEMOSTASIS CLIP SHORT SYSTEM**
[54] **SYSTEME DE PETITE ATTACHE HEMOSTATIQUE**
[72] SOLANO MONTENEGRO, ESTEBAN, CR
[72] MATA BARRANTES, DANIEL EDUARDO, CR
[72] NUNEZ CORELLA, JOSE PABLO, CR
[71] BOSTON SCIENTIFIC SCIMED, INC., US
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[54] **IMPLANT, ALIGNMENT GUIDES, SYSTEM AND METHODS OF USE**
[54] **IMPLANT, GUIDES D'ALIGNEMENT, SYSTEME ET PROCEDES D'UTILISATION**
[72] DACOSTA, ALBERT, US
[72] ALLARD, RANDY, US
[72] HUNT, RICHARD DAVID, US
[72] BRINKER, LAURA ZAGROCKI, US
[72] RAYMOND, SPANKY, US
[71] PARAGON 28, INC., US
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[30] US (62/805,081) 2019-02-13
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[25] FR
[54] **GUIDE DEVICE FOR A MEDICAL NEEDLE**
[54] **DISPOSITIF DE GUIDAGE D'UNE AIGUILLE MEDICALE**
[72] NAHUM, BERTIN, FR
[72] BADANO, FERNAND, FR
[72] BLONDEL, LUCIEN, FR
[72] OLIVE, SEBASTIEN, FR
[71] QUANTUM SURGICAL, FR
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[25] EN
[54] **MULTI-COMPONENT COMPOSITION FOR MANUFACTURING POLYURETHANE/UREA CEMENTITIOUS HYBRID SYSTEMS**
[54] **COMPOSITION A COMPOSANTS MULTIPLES POUR LA FABRICATION DE SYSTEMES HYBRIDES POLYURETHANE/UREE A BASE DE CIMENT**
[72] XU, HANG, JP
[72] SHEN, JIE, CN
[72] ZHOU, SHENGZHONG, CN
[72] HIRSEMANN, STEFAN, CN
[72] TASKER, ANDREW, GB
[72] WEICHMANN, JOSEF, DE
[72] GUO, LEI, CN
[71] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DE
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[54] **TRANSMISSION METHOD AND COMMUNICATIONS APPARATUS**
[54] **PROCEDE DE TRANSMISSION ET APPAREIL DE COMMUNICATION**
[72] YOU, CHUNHUA, CN
[72] HUANG, QUFANG, CN
[72] GUO, YINGHAO, CN
[72] LOU, CHONG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **WASHING CONTAINER**
[54] **RECIPIENT DE LAVAGE**
[72] BIESINGER, QUINN MICHAEL, US
[72] BIRKERT, THOMAS E., US
[71] MUNCHKIN, INC., US
[85] 2021-08-07
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[54] **HOB SYSTEM**
[54] **SYSTEME DE TABLE A INDUCTION**
[72] BRUCKBAUER, WILHELM, DE
[72] KONNEKER, WALTER, AT
[72] KARL, MATTHIAS, AT
[72] GOSSLER, SIEGFRIED, AT
[72] SCHMOLLER, ANTON, AT
[71] BRUCKBAUER, WILHELM, DE
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[25] EN
[54] **PLANT AND PROCESS FOR AERIAL GAS SEPARATION USING A PARALLELEPIPEDAL ADSORBER**
[54] **INSTALLATION ET PROCEDE DE SEPARATION DES GAZ DE L'AIR METTANT EN □UVRE UN ADSORBEUR DE FORME PARALLELEPIPEDIQUE**
[72] DAVIDIAN, BENOIT, FR
[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
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[54] **THREADED TARGETING INSTRUMENTS, SYSTEMS AND METHODS OF USE**
[54] **INSTRUMENTS DE CIBLAGE FILETES, SYSTEMES ET PROCEDES D'UTILISATION**
[72] DOGUE, JOSEPH, US
[72] DACOSTA, ALBERT, US
[72] BARMES, FRANCIS D., US
[72] RAYMOND, SPANKY, US
[72] BRINKER, LAURA ZAGROCKI, US
[71] PARAGON 28, INC., US
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[25] EN
[54] **METHOD, DEVICE AND SYSTEM FOR OPERATING INTERNAL COMBUSTION ENGINES WITH A CONSIDERABLY INCREASED PRESSURE RATIO AND VEHICLE WITH THIS SYSTEM**
[54] **VEHICULE COMPORTANT UN SYSTEME DE TURBINE**
[72] MENYHART, TIVADAR, DE
[71] MENYHART, TIVADAR, DE
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[54] **TURBOMACHINE COMPRISING A HEAT EXCHANGER IN THE SECONDARY PATH**
[54] **TURBOMACHINE COMPORTANT UN ECHANGEUR DE CHALEUR DANS LA VEINE SECONDAIRE**
[72] ZACCARDI, CEDRIC, FR
[72] PERDRIGEON, CHRISTOPHE MARCEL LUCIEN, FR
[72] PIKOVSKY, CATHERINE, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
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[86] 2020-02-06 (PCT/FR2020/050207)
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[25] EN
[54] **POWER PEDESTAL, GROUND FAULT INDICATION SYSTEM, AND PRINTED CIRCUIT BOARD ASSEMBLY THEREFOR**
[54] **SOCLE DE PUISSANCE, SYSTEME D'INDICATION DE DEFAUT DE MASSE, ET LEUR ENSEMBLE DE CARTES DE CIRCUITS IMPRIMES**
[72] WEEKS, CORY ROBERT, US
[72] SEFF, PAUL D., US
[72] EASTON, JASON D., US
[72] KADAM, NILESH ANKUSH, IN
[71] EATON INTELLIGENT POWER LIMITED, IE
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[54] **TREATMENT OF CLOSTRIDIUM DIFFICILE INFECTION WITH SPECIFIC CARBOHYDRATE DIET**
[54] **TRAITEMENT D'UNE INFECTION PAR CLOSTRIDIUM DIFFICILE AVEC UN REGIME EN GLUCIDES SPECIFIQUES**
[72] SUSKIND, DAVID, US
[71] SEATTLE CHILDREN'S HOSPITAL, US
[85] 2021-08-06
[86] 2020-02-14 (PCT/US2020/018366)
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[54] **PLANETARY REDUCING GEARSET COMPRISING A PRESTRESSED FLEXIBLE SUPPORT**
[54] **REDUCTEUR PLANETAIRE COMPORTANT UN SUPPORT SOUPLE PRECONTRAINT**
[72] NEGRI, ARNAUD NICOLAS, FR
[72] BECOULET, JULIEN FABIEN PATRICK, FR
[72] CUVILLIER, ROMAIN GUILLAUME, FR
[72] PATSOURIS, EMMANUEL PIERRE DIMITRI, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
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[54] **AN ALTERNATING FIELD ELECTRODE SYSTEM AND METHOD FOR FIBER GENERATION**
[54] **SYSTEME D'ELECTRODE A CHAMP ALTERNATIF ET PROCEDE DE GENERATION DE FIBRES**
[72] STANISHEVSKY, ANDREI V., US
[72] BRAYER, WILLIAM ANTHONY, US
[71] THE UAB RESEARCH FOUNDATION, US
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[86] 2020-02-14 (PCT/US2020/018407)
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[54] **SUBSTITUTED BICYCLIC COMPOUNDS AS FARNESOID X RECEPTOR MODULATORS**
[54] **COMPOSES BICYCLIQUES SUBSTITUES EN TANT QUE MODULATEURS DU RECEPTEUR FARNESOIDE X**
[72] WACKER, DEAN A., US
[72] NARA, SUSHEEL JETHANAND, IN
[72] CHERUKU, SRINIVAS, IN
[72] SARKUNAM, KANDHASAMY, IN
[72] JAIPURI, FIROZ ALI, IN
[72] THANGAVEL, SOODAMANI, IN
[72] NARAYAN, RISHIKESH, IN
[72] BANDREDDY, SUBBA REDDY, IN
[72] JOGI, SRINIVAS, IN
[72] KATHI, PAVAN KALYAN, IN
[71] BRISTOL-MYERS SQUIBB COMPANY, US
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[54] **DIRECT REDUCTION SYSTEM AND RELATED PROCESS**
[54] **SYSTEME DE REDUCTION DIRECTE ET PROCEDE ASSOCIE**
[72] ZAMPA, MASSIMILIANO, IT
[72] MAGGIOLINO, STEFANO, MX
[71] DANIELI & C. OFFICINE MECCANICHE S.P.A., IT
[71] HYL TECHNOLOGIES, S.A. DE C.V., MX
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[86] 2020-02-13 (PCT/EP2020/053758)
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[25] EN
[54] **BRASSICA PLANTS PRODUCING ELEVATED LEVELS OF POLYUNSATURATED FATTY ACIDS**
[54] **PLANTES BRASSICA PRODUISANT DES TAUX ELEVES D'ACIDES GRAS POLYINSATURES**
[72] FLETCHER, RICHARD, US
[72] MONSER-GRAY, KRISTIN P., US
[71] CARGILL, INCORPORATED, US
[85] 2021-08-06
[86] 2020-02-14 (PCT/US2020/018413)
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[25] EN
[54] **FORMULATION AND DISPENSER SYSTEMS FOR BEVERAGE FOAM TOPPINGS**
[54] **SYSTEMES DE FORMULATION ET DE DISTRIBUTION POUR NAPPAGE DE MOUSSE POUR BOISSON**
[72] LINDSEY, SAMANTHA, US
[72] BAKER, STEVEN R., US
[71] CONAGRA FOODS RDM, INC., US
[85] 2021-08-06
[86] 2020-02-14 (PCT/US2020/018212)
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[54] **ENHANCED TIRE INFLATION SYSTEM**
[54] **SYSTEME DE GONFLAGE DE PNEU AMELIORE**
[72] HENRY, DANE, US
[71] EQUALAIRE SYSTEMS, INC., US
[85] 2021-08-06
[86] 2020-02-07 (PCT/US2020/017374)
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[54] **FORMULATION**
[54] **FORMULATION**
[72] SCHULTZ, THOMAS, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2021-08-09
[86] 2020-02-04 (PCT/EP2020/052725)
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[54] **LYM-1 AND LYM-2 ANTIBODY COMPOSITIONS AND IMPROVED CAR CONSTRUCTS**
[54] **COMPOSITIONS D'ANTICORPS LYM-1 ET LYM-2 ET CONSTRUCTIONS CAR AMELIOREES**
[72] EPSTEIN, ALAN L., US
[72] HU, PEISHENG, US
[72] ZHENG, LONG, US
[71] UNIVERSITY OF SOUTHERN CALIFORNIA, US
[85] 2021-08-06
[86] 2020-02-14 (PCT/US2020/018441)
[87] (WO2020/168298)
[30] US (62/806,632) 2019-02-15
[30] US (62/815,961) 2019-03-08
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[25] EN
[54] **NEW N-BENZYL-2-PHENOXYBENZAMIDE DERIVATIVES AS PROSTAGLANDIN E2 (PGE2) RECEPTORS MODULATORS**
[54] **NOUVEAUX DERIVES DE N-BENZYL-2-PHENOXYBENZAMIDE UTILISES EN TANT QUE MODULATEURS DES RECEPTEURS DE LA PROSTAGLANDINE E2 (PGE2)**
[72] PALOMINO LARIA, JULIO CASTRO, ES
[72] CAMACHO GOMEZ, JUAN, ES
[72] RODRIGUEZ IGLESIAS, RODOLFO, ES
[72] VELILLA MARTINEZ, IRENE, ES
[71] MEDIBIOFARMA, S.L., ES
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[54] **DIFFERENTIAL WITH BI-DIRECTIONAL OVERRUNNING CLUTCH**
[54] **DIFFERENTIEL AVEC EMBRAYAGE A ROUE LIBRE BIDIRECTIONNEL**
[72] MURPHY, JORDAN, US
[72] HAMRIN, JOHN EDWARD, US
[72] LANDRUS, ISAAC, US
[72] WOLF, BRIAN THOMAS, US
[71] TEAM INDUSTRIES, INC., US
[85] 2021-08-06
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[30] US (62/808,270) 2019-02-20
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[54] **LIEURS DE CELLULES T (CATVERT) OU DE CELLULES NK (CATVERT) REGULABLES A CODAGE VIRAL CIBLANT LE CANCER**
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[72] CHEN, CHUN-YU, US
[72] HUTZEN, BRIAN, US
[72] CURRIER, MARK, US
[72] WANG, PIN-YI, US
[72] CHANDLER, DAWN, US
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[72] LOMP, GARY, US
[72] EIBENSTEINER, FRIEDRICH, US
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[54] **FORMULATION D'AFABICINE ET SON PROCEDE DE PREPARATION**
[72] DECRETTE, MARIE, FR
[72] COLIN, AUDE ANNE-LAURE, FR
[72] CHABAUD, SEBASTIEN, CH
[71] DEBIOPHARM INTERNATIONAL S.A., CH
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[54] **PROCEDE ET APPAREIL POUR SURVEILLANCE EN TEMPS REEL DE CULTURE CELLULAIRE ET TISSULAIRE**
[72] SHARMA, RUCHI, GB
[72] KUMAR, VARINDRA, GB
[72] LEGG, BEN, GB
[72] AKANDE, FEMI, GB
[72] SUR, SUMON, GB
[71] STEMNOVATE LIMITED, GB
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[54] **AGENCEMENT DE CHAINE CINEMATIQUE AVEC TRANSMISSION A VARIATION CONTINUE**
[72] YOUNGGREN, BRUCE H., US
[72] DUNLAP, JOEL, US
[72] MAKI, GREGORY LEE, US
[72] FISK, JORDAN E., US
[72] YUDELL, ALEXANDER C., US
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[71] BEANITOS INC., US
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[54] **FILM POLYMERE ORIENTE DANS LE SENS MACHINE, ET PROCEDE DE FABRICATION DU FILM POLYMERE ORIENTE DANS LE SENS MACHINE**
[72] GILLESPIE, BRYAN S., US
[72] WOLAK, PAUL Z., US
[71] BERRY GLOBAL, INC., US
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[54] **AGENTS CYTOTOXIQUES DEPENDANT DE LA POLY(AD-RIBOSE) POLYMERASE-1 DE FAIBLE AFFINITE**
[72] MACH, ROBERT H., US
[72] REILLY, SEAN W., US
[72] MAKVANDI, MEHRAN, US
[72] PUENTES, LAURA, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
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[54] **CHARIOT DE DISTRIBUTION DE BOISSONS ALIMENTE PAR BATTERIE MOBILE**
[72] ALOBAIDI, MOHAMMED, US
[72] SUNG, GOO, US
[72] TING, CALVIN, US
[71] GREEN CUBES TECHNOLOGY, LLC, US
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[72] RICE, ADAM, US
[71] DIGNITY HEALTH, US
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[72] BAUMGARTNER, PAUL, US
[72] CROOKSTON, CURRIE P., US
[71] RESTEC SOLUTIONS, LLC, US
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[54] **SYSTEMES ET PROCEDES DE GESTION DE SPECTRE ERGODIQUE**
[72] CIOFFI, JOHN, US
[72] HWANG, CHAN-SOO, US
[72] KERPEZ, KENNETH, US
[72] OH, JISUNG, US
[72] KANELLAKOPOULOS, IOANNIS, US
[72] CHOW, PETER, US
[71] ASSIA SPE, LLC, US
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[54] **DISPOSITIFS MICRO-FLUIDIQUES NUMERIQUES ET LEURS PROCEDES D'UTILISATION**
[72] SOTO-MORENO, JORGE ABRAHAM, US
[72] JEBRAIL, MAIS JEHAN, US
[72] TOCIGL, ALEJANDRO, US
[72] CHRISTODOULOU, FOTEINI, US
[72] MARTIN, CARL DAVID, US
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[72] HAYES, RONAN BARRY, US
[72] RAY, GREGORY ARTHUR, US
[72] YOUNG, PETER TIRTOWIJOYO, US
[72] SEILER, SPENCER TODD, US
[72] HONG, IK PYO, US
[72] GURUNATHAN, MOHAN, US
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[72] CARLI, JUAN MATIAS DE, US
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[54] **ADDITIFS DE DURETE ET DETERGENTS EN BLOC CONTENANT DES ADDITIFS DE DURETE POUR AMELIORER LE DURCISSEMENT DES BORDS**
[72] CABANAS, JESUS, US
[72] PHAN, GERALD, US
[72] SATO, YOSHIYUKI, US
[72] NAKABAYASHI, TOMOKO, US
[72] TAKAOKA, MASAHIRO, US
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[72] SILVERNAIL, CARTER M., US
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[54] **MISE A NIVEAU DE CAPTEUR POUR ACTIONNER DE MANIERE AUTONOME UN VEHICULE D'EXCAVATION**
[72] READY-CAMPBELL, NOAH AUSTEN, US
[72] LIANG, ANDREW XIAO, US
[72] WAWRZONEK, CHRISTIAN JOHN, US
[72] KIKANI, GAURAV JITENDRA, US
[72] EMERICK, JAMES ALAN, US
[72] BRUDER, LUCAS ALLEN, US
[72] KOTHARI, AMMAR IDRIS, US
[71] BUILT ROBOTICS INC., US
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[54] **ALIMENTATION AUTOMATISEE SELECTIVE D'EQUIPEMENT DE FOND DE TROU PENDANT DES OPERATIONS DE PASSAGE EN TROU**
[72] PALMGREN, CARL ALBERT, III, US
[72] ASHBAUGH, RYAN BRIDWELL, US
[72] STEWART, MARK DALE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **FILTRES A BOUCLE DE RETROACTION NEURALE POUR SYSTEMES ET PROCEDES DE MAGNETOENCEPHALOGRAPHIE (MEG) A PLAGE DYNAMIQUE AMELIOREE**
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[72] JIMENEZ-MARTINEZ, RICARDO, US
[72] PRATT, ETHAN, US
[72] MOHSENI, HOOMAN, US
[72] ALFORD, JAMU, US
[71] HI LLC, US
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[54] **EDITION DE GENE POUR L'HEMOPHILIE A AVEC UNE EXPRESSION DE FACTEUR VIII AMELIOREE**
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[71] CRISPR THERAPEUTICS AG, CH
[71] BAYER HEALTHCARE LLC, US
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[54] **COMPOSES BICYCLIQUES SUBSTITUES UTILISES EN TANT QUE MODULATEURS DU RECEPTEUR FARNESOIDE X**
[72] WACKER, DEAN A., US
[72] NARA, SUSHEEL JETHANAND, IN
[72] CHERUKU, SRINIVAS, IN
[72] SARKUNAM, KANDHASAMY, IN
[72] JAIPURI, FIROZ ALI, IN
[72] NARAYAN, RISHIKESH, IN
[72] BANDREDDY, SUBBA REDDY, IN
[72] JOGI, SRINIVAS, IN
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[54] **GRAINS ASSEMBLABLES ENTRE EUX POUR FORMER DES GRANULES, GRANULES OBTENUS, PROCEDES DE FABRICATION ET UTILISATION DES GRAINS ET GRANULES DANS LE DOMAINE DU BATIMENT ET DES TRAVAUX PUBLICS**
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[54] **COMPOSITIONS DE SEL-ACIDE MIXTES DE BETA-HYDROXYBUTYRATE RACEMIQUE ET PROCEDES D'UTILISATION**
[72] MILLET, GARY, US
[71] AXCESS GLOBAL SCIENCES, LLC, US
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[71] LA PARRA DEL SOBERAL, S.L.U, ES
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[54] **MOTEUR HORS-BORD MARIN AVEC VENTILATION DE CARTER**
[72] FULKER, NILE, GB
[71] COX POWERTRAIN LTD., GB
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[54] **ANALOGUES DE GLP-2 A ACTION PROLONGEE**
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[72] BAR-ILAN, AHUVA, IL
[72] LEV, VERED, IL
[72] MOSCHCOVICH, LAURA, IL
[72] RIVKIN, AMIT, IL
[71] OPKO BIOLOGICS LTD., IL
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[72] TCHELET, RONEN, HU
[72] KERESZTES, GABOR, HU
[72] ILMEN, MARJA HANNELE, FI
[72] KOIVISTOINEN, OUTI MIRJAMI, FI
[72] KOIVURANTA, KARI TAPIO, FI
[72] JOUHTEN, PAULA, FI
[72] CASTILLO, SANDRA, FI
[71] DYADIC INTERNATIONAL (USA), INC., US
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[54] **APPAREIL ET PROCEDE DE MOULAGE**
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[72] NOGIWA, KIMIHIRO, JP
[72] IDE, AKIHIRO, JP
[72] UENO, NORIEDA, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
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[54] **COMPOSITIONS COMPRISING AMINO ACIDS FOR USE AND TREATMENT OF CENTRAL NERVOUS SYSTEM INJURIES**
[54] **COMPOSITIONS COMPRENANT DES ACIDES AMINES POUR UTILISATION ET TRAITEMENT DE LESIONS DU SYSTEME NERVEUX CENTRAL**
[72] GIORGETTI, PAOLO LUCA MARIA, IT
[71] PROFESSIONAL DIETETICS S.P.A., IT
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[54] **CARBON DIOXIDE FIXATION METHOD**
[54] **PROCEDE DE FIXATION DE DIOXYDE DE CARBONE**
[72] WANG, DIANCHAO, JP
[72] NOGUCHI, TAKAFUMI, JP
[72] NOZAKI, TAKAHITO, JP
[72] HIGO, YASUHIDE, JP
[71] TAIHEIYO CEMENT CORPORATION, JP
[71] THE UNIVERSITY OF TOKYO, JP
[85] 2021-08-09
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[30] JP (2019-024659) 2019-02-14

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[25] EN
[54] **ANTIBODY-DRUG CONJUGATES INCLUDING ANTIBODY AGAINST HUMAN DLK1, AND USE THEREOF**
[54] **CONJUGUES ANTICORPS-MEDICAMENT COMPRENANT UN ANTICORPS CONTRE DLK1 HUMAIN ET UTILISATION ASSOCIEE**
[72] PARK, CHANG SIK, KR
[72] CHOI, MIN JI, KR
[72] JANG, TAE IK, KR
[72] PARK, YUN-HEE, KR
[72] SONG, HO YOUNG, KR
[72] BAEK, JUYUEL, KR
[72] KIM, SUNG MIN, KR
[72] LEE, HYEUN JOUNG, KR
[72] LEE, JU YOUNG, KR
[72] KIM, HYOUNG RAE, KR
[72] LEE, KUN JUNG, KR
[72] KIM, YONG ZU, KR
[72] LEE, CHANG SUN, KR
[72] CHAE, JEIWOOK, KR
[72] LEE, SANG PIL, KR
[72] SHIN, JI-YOUNG, KR
[72] YOON, SUNHA, KR
[72] CHOI, YUNSEON, KR
[72] PARK, JAE EUN, KR
[72] LEE, JISU, KR
[72] PARK, BUM-CHAN, KR
[72] PARK, YOUNG WOO, KR
[71] LEGOCHEM BIOSCIENCES, INC., KR
[71] Y-BIOLOGICS INC., KR
[85] 2021-08-09
[86] 2020-03-05 (PCT/KR2020/003100)
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[30] KR (10-2019-0025987) 2019-03-06
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[54] **CARBON DIOXIDE FIXATION METHOD**
[54] **PROCEDE DE FIXATION DE DIOXYDE DE CARBONE**
[72] WANG, DIANCHAO, JP
[72] NOGUCHI, TAKAFUMI, JP
[72] NOZAKI, TAKAHITO, JP
[72] HIGO, YASUHIDE, JP
[71] TAIHEIYO CEMENT CORPORATION, JP
[71] THE UNIVERSITY OF TOKYO, JP
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[51] **Int.Cl. A01K 61/13 (2017.01) A01K 61/60 (2017.01) A01K 63/04 (2006.01)**
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[54] **FISH CAGE WITH IMPROVED WATER EXCHANGE AND FARMING CONDITION**
[54] **CAGE A POISSONS AVEC ECHANGE D'EAU ET CONDITIONS D'ELEVAGE AMELIORES**
[72] SANDSTAD, ALF REIDAR, NO
[71] SPRING INNOVATION AS, NO
[85] 2021-08-09
[86] 2020-03-13 (PCT/NO2020/050068)
[87] (WO2020/190146)
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[51] **Int.Cl. H04B 7/06 (2006.01) H04L 27/26 (2006.01)**
[25] EN
[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL UTILISATEUR ET PROCEDE DE COMMUNICATION SANS FIL**
[72] MATSUMURA, YUKI, JP
[72] NAGATA, SATOSHI, JP
[72] WANG, JING, CN
[72] HOU, XIAOLIN, CN
[71] NTT DOCOMO, INC., JP
[85] 2021-08-09
[86] 2019-02-15 (PCT/JP2019/005672)
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[25] EN
[54] **METHODS FOR TREATING LIVER CANCERS USING AN ORALLY ADMINISTERED DIOXOLANE NUCLEOTIDE IN COMBINATION WITH AN ANTI-PD1 OR ANTI-PDL1 MONOCLONAL ANTIBODY**
[54] **METHODES DE TRAITEMENT DE CANCERS DU FOIE A L'AIDE DE NUCLEOTIDE DE DIOXOLANE ADMINISTRE PAR VOIE ORALE EN COMBINAISON AVEC UN ANTICORPS MONOCLONAL ANTI-PD1 OU ANTI-PDL1**
[72] ALBERTELLA, MARK, SE
[71] MEDIVIR AKTIEBOLAG, SE
[85] 2021-08-09
[86] 2020-02-17 (PCT/SE2020/050175)
[87] (WO2020/171757)
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[25] EN
[54] **A SYSTEM AND A METHOD FOR CONTROLLING A WORK MACHINE**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE MACHINES DE TRAVAIL**
[72] TAKAOKA, YUKIHISA, JP
[71] KOMATSU LTD., JP
[85] 2021-08-09
[86] 2020-04-07 (PCT/JP2020/015669)
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[51] **Int.Cl. A61K 31/19 (2006.01) A23L 33/12 (2016.01) A61P 3/08 (2006.01)**
[25] EN
[54] **NON-RACEMIC BETA-HYDROXYBUTYRATE COMPOUNDS AND COMPOSITIONS ENRICHED WITH THE R-ENANTIOMER AND METHODS OF USE**
[54] **COMPOSES BETA-HYDROXYBUTYRATE NON RACEMIQUES ET COMPOSITIONS ENRICHIES AVEC L'ENANTIOMERE R, ET LEURS METHODES D'UTILISATION**
[72] MILLET, GARY, US
[71] AXCESS GLOBAL SCIENCES, LLC, US
[85] 2021-08-09
[86] 2020-02-10 (PCT/US2020/017555)
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[25] EN
[54] **ELECTRODE TERMINAL ASSEMBLY FOR LIQUID QUALITY METER APPARATUS AND LIQUID QUALITY METER APPARATUS COMPRISING SAME**
[54] **ENSEMBLE BORNE D'ELECTRODE POUR UN APPAREIL DE MESURE DE QUALITE DE LIQUIDE ET APPAREIL DE MESURE DE QUALITE DE LIQUIDE LE COMPRENANT**
[72] KWON, TAE SEONG, KR
[72] YOON, JI HYUNG, KR
[72] KIM, JONG KIL, KR
[71] KYUNGDONG NAVIEN CO., LTD., KR
[85] 2021-08-09
[86] 2019-12-13 (PCT/KR2019/017685)
[87] (WO2020/179991)
[30] KR (10-2019-0026327) 2019-03-07
[30] KR (10-2019-0165584) 2019-12-12

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[25] EN
[54] **HEAT EXCHANGE AND TEMPERATURE SENSING DEVICE AND METHOD OF USE**
[54] **DISPOSITIF D'ECHANGE DE CHALEUR ET DE DETECTION DE TEMPERATURE ET PROCEDE D'UTILISATION**
[72] HARTLEY, AMANDA, CA
[72] HERBERT-COPLEY, ANDREW, CA
[72] GERBER, DMITRY, CA
[72] AVARI, HAMED, CA
[72] BRANNICK, ROS, CA
[72] DELL, TREVOR JAMES, CA
[72] MOK, DANIEL WING FAI, CA
[72] SHAH, KISHAN, CA
[72] YANG, NOAH NUOXU, CA
[72] CHIAPETTA, BIANCA, CA
[72] DAVIES, GARETH, CA
[72] KEAVENEY, LUKE, CA
[72] CARRINGTON, MARTIN, CA
[72] BRAZDA, SUSAN, CA
[72] GENNARA, STEPHEN, CA
[72] WIERZBICKI, RAMUNAS, CA
[72] AL-SAFFAR, YASIR, CA
[72] CENTAZZO-COLELLA, AMANDA, CA
[72] MOFFITT, OWEN, CA
[71] BAYLIS MEDICAL COMPANY INC., CA
[85] 2021-08-09
[86] 2020-02-12 (PCT/IB2020/051156)
[87] (WO2020/165804)
[30] IB (PCT/IB2019/051168) 2019-02-13

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[51] **Int.Cl. F16D 55/226 (2006.01) B60T 8/32 (2006.01)**
[25] EN
[54] **DISC BRAKE APPARATUS USING GENERATOR-COMBINED MOTOR MEANS**
[54] **APPAREIL DE FREIN A DISQUE UTILISANT DES MOYENS MOTEUR COMBINES A UN GENERATEUR**
[72] JANG, SUK HO, KR
[71] JANG, SUK HO, KR
[71] JSH ECO ENERGY CO.,LTD., KR
[85] 2021-08-09
[86] 2020-01-15 (PCT/KR2020/000726)
[87] (WO2020/166833)
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[25] EN
[54] **COATING COMPOSITION PROVIDING AN ANODIZED APPEARANCE**
[54] **COMPOSITION DE REVETEMENT FOURNISSANT UN ASPECT ANODISE**
[72] MACFADDEN, BEN A., US
[72] LARKIN, KEVIN M., US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2021-08-09
[86] 2020-02-14 (PCT/IB2020/051232)
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[30] US (62/805,716) 2019-02-14

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[25] EN
[54] **TRACTION CONTROL FOR STEERING ARTICULATED POWER MACHINE**
[54] **COMMANDE DE TRACTION POUR MACHINE D'ASSISTANCE DE DIRECTION ARTICULEE**
[72] ZENT, KEVIN J., US
[72] KRIEGER, DANIEL J., US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2021-08-09
[86] 2020-02-24 (PCT/US2020/019454)
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[30] US (62/809,174) 2019-02-22

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[25] EN
[54] **COMBINATION THERAPY FOR TREATMENT OF B-CELL MALIGNANCIES**
[54] **POLYTHERAPIE POUR LE TRAITEMENT DE MALIGNITES DES CELLULES B**
[72] BALASUBRAMANIAN, SRIRAM, US
[71] JANSSEN BIOTECH, INC., US
[85] 2021-08-09
[86] 2020-02-14 (PCT/IB2020/051270)
[87] (WO2020/165861)
[30] US (62/806,148) 2019-02-15

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[51] **Int.Cl. H04W 72/10 (2009.01)**
[25] EN
[54] **COMMUNICATION OF UPLINK CONTROL INFORMATION**
[54] **COMMUNICATION D'INFORMATIONS DE COMMANDE DE LIAISON MONTANTE**
[72] WU, CHUNLI, CN
[72] TURTINEN, SAMULI, FI
[72] SEBIRE, BENOIST, JP
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2021-08-10
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[51] **Int.Cl. A61B 90/30 (2016.01) A61B 17/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFICATION OF ILLUMINATION ABNORMALITIES AND AUTOMATIC COMPENSATION THEREFOR**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION D'ANOMALIES D'ECLAIRAGE ET DE COMPENSATION AUTOMATIQUE ASSOCIEE**
[72] HOLLOPETER, MICHAEL, US
[72] COOK, IAN HUGH, US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2021-08-09
[86] 2020-04-23 (PCT/US2020/029426)
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[30] US (16/393,168) 2019-04-24

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[51] **Int.Cl. C12N 9/12 (2006.01) A61K 38/16 (2006.01) A61P 35/00 (2006.01) C07K 14/00 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **PEPTIDES WITH ANTI-TUMOR ACTIVITY**
[54] **PEPTIDES AYANT UNE ACTIVITE ANTITUMORALE**
[72] RASOLA, ANDREA, IT
[72] CISCATO, FRANCESCO, IT
[72] BERNARDI, PAOLO, IT
[71] UNIVERSITA' DEGLI STUDI DI PADOVA, IT
[85] 2021-08-09
[86] 2020-02-18 (PCT/IB2020/051329)
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[54] **NIP GUARD**
[54] **GARDE-MAINS**
[72] MARAIS, JACQUES, ZA
[72] CHRISTIAN, PAUL, ZA
[71] BRELKO PATENTS (PTY) LTD, ZA
[85] 2021-08-09
[86] 2020-04-15 (PCT/IB2020/053545)
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[30] ZA (2019/02405) 2019-04-16

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[51] **Int.Cl. C07D 237/14 (2006.01) A61K 31/50 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **6-OXO-1,6-DIHYDROPYRIDAZINE PRODRUG DERIVATIVE, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF IN MEDICINE**
[54] **DERIVE DE PROMEDICAMENT DE 6-OXO -1,6-DIHYDROPYRIDAZINE, SON PROCEDE DE PREPARATION ET SON APPLICATION EN MEDECINE**
[72] YANG, FANGLONG, CN
[72] YU, NAN, CN
[72] CHI, JIANGTAO, CN
[72] LIU, ZHIWEI, CN
[72] HE, FENG, CN
[72] TAO, WEIKANG, CN
[71] JIANGSU HENGRUL MEDICINE CO., LTD., CN
[71] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN
[85] 2021-08-10
[86] 2020-02-19 (PCT/CN2020/075790)
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[30] CN (201910125750.4) 2019-02-20
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[51] **Int.Cl. C07D 231/56 (2006.01) A61K 31/416 (2006.01) A61P 35/00 (2006.01) C07C 49/86 (2006.01) C07C 309/30 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 471/10 (2006.01) C07D 487/04 (2006.01) C07D 491/048 (2006.01) C07D 491/08 (2006.01) C07D 491/107 (2006.01)**
[25] EN
[54] **INDAZOLYL-ISOXAZOLE DERIVATIVES FOR THE TREATMENT OF DISEASES SUCH AS CANCER**
[54] **DERIVES D'INDAZOLYL-ISOXAZOLE POUR LE TRAITEMENT DE MALADIES TELLES QUE LE CANCER**
[72] DORSCH, DIETER, DE
[72] BLUM, ANDREAS, DE
[71] MERCK PATENT GMBH, DE
[85] 2021-08-09
[86] 2020-02-10 (PCT/EP2020/053241)
[87] (WO2020/165062)
[30] EP (19156318.8) 2019-02-11

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[51] **Int.Cl. F16C 7/02 (2006.01) F16B 7/02 (2006.01) F16B 7/04 (2006.01) F16B 7/18 (2006.01) F16B 17/00 (2006.01)**
[25] EN
[54] **CONNECTING SLEEVE, PUSH-PULL ROD AND METHOD FOR PRODUCING A PUSH-PULL ROD**
[54] **DOUILLE DE RACCORDEMENT, BARRE DE TRACTION-COMPRESSION ET PROCEDE POUR LA FABRICATION D'UNE BARRE DE TRACTION-COMPRESSION**
[72] UHL, ALBERT, DE
[71] GMT GUMMI-METALL-TECHNIK GMBH, DE
[85] 2021-08-10
[86] 2019-02-13 (PCT/EP2019/053595)
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[51] **Int.Cl. C12P 17/02 (2006.01)**
[25] FR
[54] **METHOD FOR THE BIOSYNTHESIS OF DIOSMIN AND/OR HESPERIDIN IN A MICROORGANISM**
[54] **METHODE DE BIOSYNTHESE DE LA DIOSMINE ET/OU DE L'HESPERIDINE DANS UN MICROORGANISME**
[72] PAUTHENIER, CYRILLE, FR
[72] LE JEUNE, ANDRE, FR
[72] SCORNEC, HELENE, FR
[72] ROUSSEL, CELIA, FR
[72] JOUBERT, LAETITIA, FR
[71] LES LABORATOIRES SERVIER, FR
[85] 2021-08-09
[86] 2020-02-11 (PCT/EP2020/053503)
[87] (WO2020/165189)
[30] EP (19305163.8) 2019-02-11

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[51] **Int.Cl. H04B 7/0404 (2017.01) H04B 7/0456 (2017.01) H04B 7/06 (2006.01) H04L 25/02 (2006.01)**
[25] EN
[54] **TRANSMISSION OF REFERENCE SIGNALS FROM A TERMINAL DEVICE**
[54] **TRANSMISSION DE SIGNAUX DE REFERENCE A PARTIR D'UN DISPOSITIF TERMINAL**
[72] PETERSSON, SVEN, SE
[72] NILSSON, ANDREAS, SE
[72] ATHLEY, FREDRIK, SE
[72] TIMO, ROY, SE
[72] ZHANG, XINLIN, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2021-08-10
[86] 2019-02-19 (PCT/EP2019/054061)
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[54] **REGION PROPOSAL NETWORKS FOR AUTOMATED BOUNDING BOX DETECTION AND TEXT SEGMENTATION**
[54] **RESEAUX DE PROPOSITION DE REGION POUR DETECTION DE RECTANGLE ENGLOBANT AUTOMATISE ET SEGMENTATION DE TEXTE**
[72] TORRES, TERRENCE J., US
[72] FOROUGHI, HOMA, US
[71] INTUIT INC., US
[85] 2021-08-09
[86] 2020-06-17 (PCT/US2020/038024)
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[30] US (16/524,889) 2019-07-29

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[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **MULTI-MODE CHANNEL CODING WITH MODE SPECIFIC COLORATION SEQUENCES**
[54] **CODAGE DE CANAL A MULTIPLES MODES AVEC DES SEQUENCES DE COLORATION SPECIFIQUES DU MODE**
[72] BUTHE, JAN, DE
[72] BENNDORF, CONRAD, DE
[72] LUTZKY, MANFRED, DE
[72] SCHNELL, MARKUS, DE
[72] SCHLEGEL, MAXIMILIAN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2021-08-09
[86] 2020-02-12 (PCT/EP2020/053614)
[87] (WO2020/165260)
[30] EP (19156997.9) 2019-02-13
[30] EP (19157036.5) 2019-02-13
[30] EP (19157042.3) 2019-02-13
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[25] EN
[54] **EDIBLE COMPOSITION COMPRISING A STRUCTURED AQUEOUS PHASE**
[54] **COMPOSITION COMESTIBLE COMPRENANT UNE PHASE AQUEUSE STRUCTUREE**
[72] MELLEMA, MICHEL, NL
[72] KOPPERT, REMCO JOHANNES, NL
[72] FLENDRIG, LEONARDUS MARCUS, NL
[71] UNILEVER IP HOLDINGS B.V., NL
[85] 2021-08-10
[86] 2020-01-31 (PCT/EP2020/052423)
[87] (WO2020/173660)
[30] EP (19159493.6) 2019-02-26

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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 37/02 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12N 15/12 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01) C12N 15/864 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ENHANCED LYMPHOCYTE-MEDIATED IMMUNOTHERAPY**
[54] **COMPOSITIONS ET PROCEDES POUR IMMUNOTHERAPIE MEDIEE PAR LES LYMPHOCYTES AMELIOREE**
[72] LUM, JULIAN, CA
[72] DEVORKIN, LINDSAY, CA
[72] DOYON, YANNICK, CA
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[72] REIG BOLANO, NURIA, ES
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[54] **VALVE STOPPER FOR A MEDICAL INJECTION DEVICE AND MEDICAL INJECTION DEVICE FOR INJECTING AT LEAST ONE COMPOSITION**
[54] **OBTURATEUR DE VALVE POUR DISPOSITIF D'INJECTION MEDICAL ET DISPOSITIF D'INJECTION MEDICAL POUR L'INJECTION D'AU MOINS UNE COMPOSITION**
[72] RIVIER, CEDRIC, FR
[72] LEHEE, GUILLAUME, FR
[72] GRILLET, NASTASJA, FR
[72] LAVIGNE, FERDINAND, FR
[72] VAXELAIRE, JEREMIE, FR
[71] BECTON DICKINSON FRANCE, FR
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[25] EN
[54] **HIGH FOAMING LIQUID ALKALINE CLEANER CONCENTRATE COMPOSITION**
[54] **COMPOSITION DE CONCENTRE DE NETTOYANT ALCALIN LIQUIDE HAUTEMENT MOUSSANT**
[72] LINDER, JESSICA SUE HANEY BOESTER, US
[72] XIA, PING, US
[72] KAISER, NANCY-HOPE E., US
[71] AMERICAN STERILIZER COMPANY, US
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[25] EN
[54] **GENERATION OF HUMAN PLURIPOTENT STEM CELL DERIVED ARTIFICIAL TISSUE STRUCTURES WITHOUT THREE DIMENSIONAL MATRICES**
[54] **GENERATION DE STRUCTURES DE TISSU ARTIFICIEL DERIVEES DE CELLULES SOUCHES PLURIPOTENTES HUMAINES SANS MATRICES TRIDIMENSIONNELLES**
[72] BECKER, KRISTIN, DE
[72] ECKARDT, DOMINIK, DE
[72] BOSIO, ANDREAS, DE
[72] KNOBEL, SEBASTIAN, DE
[72] AGORKU, DAVID JOEL, DE
[72] HARDT, OLAF THORSTEN, DE
[71] MILTENYI BIOTEC B.V. & CO. KG, DE
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[54] **CAP FOR DISINFECTION OF A MEDICAL DEVICE**
[54] **CAPUCHON POUR LA DESINFECTION D'UN DISPOSITIF MEDICAL**
[72] FAM, MARYANN, US
[72] GIRGIS, PETER, US
[72] GARTNER, JEREMY, US
[71] BECTON, DICKINSON AND COMPANY, US
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[54] **APPARATUS AND METHOD FOR GENERATING A LIGHT INTENSITY IMAGE**
[54] **APPAREIL ET PROCEDE PERMETTANT DE GENERER UNE IMAGE D'INTENSITE LUMINEUSE**
[72] VAREKAMP, CHRISTIAAN, NL
[71] KONINKLIJKE PHILIPS N.V., NL
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[54] **POMPE A SANG**
[72] GRAUWINKEL, MARIUS, DE
[72] KERKHOFFS, WOLFGANG, DE
[71] ABIOMED EUROPE GMBH, DE
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[54] **ANTISENSE OLIGONUCLEOTIDES FOR NUCLEIC ACID EDITING**
[54] **OLIGONUCLEOTIDES ANTISENS D'EDITION D'ACIDE NUCLEIQUE**
[72] BOUDET, JULIEN AUGUSTE GERMAIN, NL
[72] VAN SINT FIET, LENKA, NL
[71] PROQR THERAPEUTICS II B.V., NL
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[54] **MRNA PURIFICATION BY TANGENTIAL FLOW FILTRATION**
[54] **PURIFICATION D'ARNM PAR FILTRATION TANGENTIELLE**
[72] GEIGER, JOHANNES, DE
[72] TREML, MARTIN, DE
[71] ETHRIS GMBH, DE
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[25] EN
[54] **A DBAIT MOLECULE IN COMBINATION WITH KINASE INHIBITOR FOR THE TREATMENT OF CANCER**
[54] **MOLECULE DBAIT ASSOCIEE A UN INHIBITEUR DE KINASE POUR LE TRAITEMENT DU CANCER**
[72] BONO, FRANCOISE, FR
[72] FAVRE, GILLES, FR
[72] CALVAYRAC, OLIVIER, FR
[71] ONXEO, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE PAUL SABATIER - TOULOUSE III, FR
[71] INSTITUT CLADIUS REGAUD, FR
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[25] EN
[54] **HINGE LOCK**
[54] **VERROU DE CHARNIERE**
[72] KAGANOV, MAXIM, DE
[72] SCHAFER, DIRK, DE
[71] INDUSTRILAS I NASSJO AB, SE
[85] 2021-08-10
[86] 2020-02-26 (PCT/EP2020/055050)
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[51] **Int.Cl. A61K 31/55 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **COMPOUND AND METHOD FOR THE PREVENTION OF TRANSMISSION OF INFLUENZA VIRUS**
[54] **COMPOSE ET PROCEDE POUR LA PREVENTION DE LA TRANSMISSION DU VIRUS DE LA GRIPPE**
[72] NOSHI, TAKESHI, JP
[72] NODA, TAKAHIRO, JP
[72] YOSHIDA, RYU, JP
[72] SHISHIDO, TAKAO, JP
[72] BABA, KAORU, JP
[72] HURT, AERON C., CH
[72] LEE, LEO YI YANG, AU
[72] WILDUM, STEFFEN, CH
[72] KUHLBUSCH, KLAUS, CH
[72] CLINCH, BARRY, CH
[72] NEBESKY, MICHAEL J., CH
[72] LEMENUEL-DIOT, ANNABELLE, CH
[72] BARCLAY, WENDY S., GB
[72] CHAROIN, JEAN-ERIC, CH
[72] ANDO, YOSHINORI, JP
[71] F.HOFFMANN-LA ROCHE AG, CH
[71] SHIONOGI & CO., LTD., JP
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[86] 2020-03-26 (PCT/EP2020/058573)
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[25] EN
[54] **KEYCAM ASSEMBLY**
[54] **ENSEMBLE CAME-CLE**
[72] BALASUBRAMANIAM, PRADEEPKUMAR, IN
[72] MANNATTIL, HARIKRISHNAN, IN
[72] VASUDEVAN, SUNDAR RAJ DORE, IN
[71] SCHLAGE LOCK COMPANY LLC, US
[85] 2021-08-09
[86] 2020-02-07 (PCT/US2020/017251)
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[25] EN
[54] **COMBINED SMELTING OF MOLTEN SLAGS AND RESIDUALS FROM STAINLESS STEEL AND FERROCHROMIUM WORKS**
[54] **FUSION COMBINEE DE SCORIES FONDUES ET DE RESIDUS A PARTIR DE TRAVAUX D'ACIER INOXYDABLE ET DE FERROCHROME**
[72] VALLO, KIMMO, FI
[72] PARVIAINEN, TIMO, SE
[71] OUTOKUMPU OYJ, FI
[85] 2021-08-10
[86] 2020-02-28 (PCT/FI2020/050129)
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[51] **Int.Cl. E21B 43/117 (2006.01) E21B 43/119 (2006.01)**
[25] EN
[54] **INTEGRATED LOADING TUBE**
[54] **TUBE DE CHARGEMENT INTEGRE**
[72] GUPTA, ASHUTOSH, IN
[72] D'MELLO, STEPHEN, IN
[72] PRISBELL, ANDREW, US
[72] KALAKONDA, HARI PRAKASH, IN
[72] DESHMUKH, RUCHA, IN
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2021-08-09
[86] 2020-02-07 (PCT/US2020/017262)
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[30] US (16/271,004) 2019-02-08

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[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/36 (2006.01) A61N 1/372 (2006.01)**
[25] EN
[54] **VARYING STIMULATION PARAMETERS TO PREVENT TISSUE HABITUATION IN A SPINAL CORD STIMULATION SYSTEM**
[54] **VARIATION DE PARAMETRES DE STIMULATION PERMETTANT D'EMPECHER TOUTE HABITUDE DES TISSUS DANS UN SYSTEME DE STIMULATION DE LA MOELLE EPINIERE**
[72] MOFFITT, MICHAEL A., US
[72] HUERTAS FERNANDEZ, ISMAEL, ES
[71] BOSTON SCIENTIFIC NEUROMODULATION CORPORATION, US
[85] 2021-08-06
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[30] US (62/803,330) 2019-02-08
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[51] **Int.Cl. A23G 9/28 (2006.01) A23G 9/48 (2006.01)**
[25] EN
[54] **APPARATUS FOR PREPARATION OF FROZEN CONFECTION PRODUCTS**
[54] **APPAREIL POUR LA PREPARATION DE PRODUITS DE CONFISERIE CONGELES**
[72] EVANS, VICTORIA SUZANNE ELIZABETH, GB
[72] JEATT, WILLIAM DOUGLAS, GB
[72] NOBLE, DEBORAH JANE, GB
[71] UNILEVER IP HOLDINGS B.V., NL
[85] 2021-08-10
[86] 2020-03-04 (PCT/EP2020/055660)
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[25] EN
[54] **COMPOUNDS AND COMPOSITIONS COMPRISING THE SAME FOR TREATING HYPERTENSION OR HEART FAILURE**
[54] **COMPOSES ET COMPOSITIONS ASSOCIEES POUR TRAITER UNE HYPERTENSION OU UNE INSUFFISANCE CARDIAQUE**
[72] BALAVOINE, FABRICE, FR
[72] COMPERE, DELPHINE, FR
[72] KECK, MATHILDE, FR
[72] MARC, YANNICK, FR
[72] LLORENS-CORTES, CATHERINE, FR
[72] BOITARD, SOLENE E., FR
[71] QUANTUM GENOMICS, FR
[71] INSTITUT NATIONAL DE LA SANT ET DE LA RECHERCHE MEDICALE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] COLLEGE DE FRANCE, FR
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[51] **Int.Cl. A61K 35/28 (2015.01) A61K 35/00 (2006.01) A61K 35/12 (2015.01) A61K 35/26 (2015.01)**
[25] EN
[54] **METHOD FOR TREATING OSTEOARTHRITIS WITH A COMBINATION OF MESENCHYMAL STEM CELL EXOSOMES, SYNOVIAL MESENCYMAL STEM CELLS, AND SCAFFOLDS**
[54] **PROCEDE DE TRAITEMENT DE L'ARTHROSE AU MOYEN D'UNE COMBINAISON D'EXOSOMES DE CELLULES SOUCHES MESENCHYMATEUSES, DE CELLULES SOUCHES MESENCHYMATEUSES SYNOVIALES ET D'ECHAFAUDAGES**
[72] PETTINE, KENNETH ALLEN, US
[72] MOSELEY, TIMOTHY ALEXANDER, US
[71] DIRECT BIOLOGICS LLC, US
[85] 2021-08-09
[86] 2020-02-07 (PCT/US2020/017341)
[87] (WO2020/163803)
[30] US (62/802,310) 2019-02-07
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[51] **Int.Cl. B60G 17/027 (2006.01) B60G 17/056 (2006.01)**
[25] EN
[54] **LIFT AXLE CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE D'ESSIEU RELEVABLE**
[72] HENRY, DANE, US
[71] EQUALAIRE SYSTEMS, INC., US
[85] 2021-08-06
[86] 2020-02-07 (PCT/US2020/017347)
[87] (WO2020/163809)
[30] US (62/802,643) 2019-02-07

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[51] **Int.Cl. B23K 26/08 (2014.01) B23K 26/146 (2014.01) B23K 26/402 (2014.01) A44C 17/00 (2006.01) B23K 26/38 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MANUFACTURING A WORKPIECE INTO A PRODUCT**
[54] **PROCEDE ET APPAREIL DE FABRICATION D'UNE PIECE A TRAVAILLER EN UN PRODUIT**
[72] LE CLEC'H, JULIEN, CH
[72] PAUSCH, JORG, CH
[72] RICHERZHAGEN, BERNOLD, CH
[71] SYNOVA S.A., CH
[85] 2021-08-06
[86] 2020-02-26 (PCT/EP2020/054970)
[87] (WO2020/178090)
[30] EP (19161033.6) 2019-03-06

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[51] **Int.Cl. C08G 18/10 (2006.01) C08G 18/50 (2006.01) C08G 18/61 (2006.01) C08G 18/72 (2006.01)**
[25] EN
[54] **ELASTOMERIC COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS ELASTOMERES ET PROCEDES D'UTILISATION**
[72] KUTCHKO, CYNTHIA, US
[72] CHIANG, BRIAN, US
[72] WILKINSON, BRYAN W., US
[72] EPSTEIN, ERIC S., US
[72] BUBAS, MICHAEL A., US
[71] PPG INDUSTRIES OHIO, INC., US
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[86] 2020-02-10 (PCT/US2020/017455)
[87] (WO2020/167638)
[30] US (62/803,664) 2019-02-11

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[25] EN
[54] **THERMOPLASTIC ROOFING MEMBRANES FOR FULLY-ADHERED ROOFING SYSTEMS**
[54] **MEMBRANES DE TOITURE THERMOPLASTIQUES POUR SYSTEMES DE TOITURE ENTIEREMENT COLLES**
[72] WANG, HAO, US
[72] TIPPMANN, DONNA C., US
[71] FIRESTONE BUILDING PRODUCTS COMPANY, LLC, US
[85] 2021-08-09
[86] 2020-02-10 (PCT/US2020/017410)
[87] (WO2020/163844)
[30] US (62/803,551) 2019-02-10

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[51] **Int.Cl. E04H 4/12 (2006.01) A61H 33/00 (2006.01) E04H 4/14 (2006.01)**
[25] FR
[54] **DEVICE FOR HEATING THE WATER OF AN ABOVE-GROUND POOL, SUCH AS AN ABOVE-GROUND SPA POOL OR A SWIMMING POOL**
[54] **DISPOSITIF DE CHAUFFAGE DE L'EAU D'UN BASSIN DE BAIGNADE HORS-SOL, TEL QU'UN SPA OU UNE PISCINE HORS-SOL**
[72] FILLOT, JEAN-CHRISTOPHE, FR
[72] DESVIGNES, MAXIME, FR
[71] POLYTROPIC, FR
[85] 2021-08-10
[86] 2020-01-31 (PCT/EP2020/052489)
[87] (WO2020/164931)
[30] FR (FR1901562) 2019-02-15

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[51] **Int.Cl. H04N 19/119 (2014.01) H04N 19/176 (2014.01) H04N 19/82 (2014.01) H04N 19/86 (2014.01) H04N 19/167 (2014.01)**
[25] EN
[54] **VIRTUAL BOUNDARY PROCESSING FOR ADAPTIVE LOOP FILTERING**
[54] **TRAITEMENT DE LIMITE VIRTUELLE DESTINE A UN FILTRAGE ADAPTATIF EN BOUCLE**
[72] ANDERSSON, KENNETH, SE
[72] STROM, JACOB, SE
[72] ZHANG, ZHI, SE
[72] ENHORN, JACK, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2021-08-09
[86] 2020-11-26 (PCT/SE2020/051131)
[87] (WO2021/133236)
[30] US (62/953,310) 2019-12-24

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[51] **Int.Cl. C02F 3/10 (2006.01) C02F 3/28 (2006.01) C12M 1/12 (2006.01)**
[25] FR
[54] **CULTURE SUBSTRATE FOR METHANISATION METHOD**
[54] **SUPPORT DE CULTURE POUR PROCEDE METHANISATION**
[72] FRITSCH, JONATHAN, FR
[71] BIORENGAZ, FR
[85] 2021-08-10
[86] 2020-02-12 (PCT/EP2020/053632)
[87] (WO2020/165271)
[30] FR (FR1901540) 2019-02-15

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[51] **Int.Cl. B01F 7/00 (2006.01) C02F 11/127 (2019.01) C02F 11/147 (2019.01) B01F 7/26 (2006.01) C02F 1/56 (2006.01) C02F 11/12 (2019.01)**
[25] EN
[54] **TAILINGS TREATMENT PROCESS**
[54] **PROCESSUS DE TRAITEMENT DE RESIDUS**
[72] ROSTRO, LIZBETH, US
[72] CHEN, WU, US
[72] GILLIS, PAUL A., US
[72] POINDEXTER, MICHAEL K., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2021-07-16
[86] 2020-01-25 (PCT/US2020/015121)
[87] (WO2020/159834)
[30] US (62/798,088) 2019-01-29

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[51] **Int.Cl. E05F 1/10 (2006.01) E05F 1/08 (2006.01) E05F 3/22 (2006.01)**
[25] EN
[54] **DOOR CLOSER POWER ADJUSTMENT**
[54] **AJUSTEMENT DE PUISSANCE DE FERME-PORTE**
[72] BARBON, MITCHELL T., US
[72] SHETTY, ADITHYA G., IN
[72] KOESKE, PAUL, US
[72] TOLODAY, DAVID V., US
[71] SCHLAGE LOCK COMPANY LLC, US
[85] 2021-08-09
[86] 2020-02-10 (PCT/US2020/017474)
[87] (WO2020/163859)
[30] US (16/271,092) 2019-02-08

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[51] **Int.Cl. G10L 15/02 (2006.01) G10L 17/02 (2013.01) G10L 25/48 (2013.01) H04R 29/00 (2006.01)**
[25] EN
[54] **VERBAL EXPRESSION SYSTEM**
[54] **SYSTEME D'EXPRESSION VERBALE**
[72] KASBAR, LAURA MARIE, US
[71] GEMIINI EDUCATIONAL SYSTEMS, INC., US
[85] 2021-08-09
[86] 2020-02-10 (PCT/US2020/017498)
[87] (WO2020/167660)
[30] US (62/803,965) 2019-02-11
[30] US (62/888,852) 2019-08-19

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[51] **Int.Cl. E04B 1/344 (2006.01) C04B 14/30 (2006.01) E04B 1/80 (2006.01) E04C 2/52 (2006.01)**
[25] EN
[54] **FOLDABLE BUILDING STRUCTURES WITH UTILITY CHANNELS AND LAMINATE ENCLOSURES**
[54] **STRUCTURES DE CONSTRUCTION PLIABLES DOTEES DE CANALISATIONS DE SERVICE ET D'ENCEINTES STRATIFIEES**
[72] TIRAMANI, PAOLO, US
[72] TIRAMANI, GALIANO, US
[72] DENMAN, KYLE, US
[71] BUILD IP LLC, US
[85] 2021-08-09
[86] 2020-02-10 (PCT/US2020/017524)
[87] (WO2020/167671)
[30] US (62/805,710) 2019-02-14
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[51] **Int.Cl. F23R 3/28 (2006.01) F16B 5/10 (2006.01) F23R 3/50 (2006.01) F23R 3/60 (2006.01)**
[25] FR
[54] **COMBUSTION CHAMBER FOR A TURBOMACHINE**
[54] **CHAMBRE DE COMBUSTION POUR UNE TURBOMACHINE**
[72] BUNEL, JACQUES MARCEL ARTHUR, FR
[72] DOUSSE, WILLIAM LOUIS RODOLPHE, FR
[72] VILLENAVE, BENJAMIN FRANTZ KARL, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2021-08-10
[86] 2020-02-19 (PCT/FR2020/000037)
[87] (WO2020/169894)
[30] FR (1901635) 2019-02-19

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[54] **ASSOCIATIONS PHARMACEUTIQUES COMPRENANT DU MEBENDAZOLE ET UN INHIBITEUR FORT OU MODERE DE LA CYP1A2**
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[71] ZEPHAPHARM LTD, GB
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[54] **TRAITEMENT DE FORMATIONS SOUTERRAINES**
[72] MCROBBIE, IAN MALCOLM, GB
[72] TRENHOLME, WILLIAM, GB
[71] INNOSPEC LIMITED, GB
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[72] TRENHOLME, WILLIAM, GB
[71] INNOSPEC LIMITED, GB
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[54] **PROCEDES ET APPAREILS POUR L'ELEVAGE DU BETAIL**
[72] HERBORN, KATHERINE, GB
[72] ASHER, LUCY, GB
[72] DONOGHUE, PETER, GB
[72] LIDDLE, DEREK, GB
[71] GREENGAGE AGRITECH LIMITED, GB
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[54] **ACCELERATED REASONING GRAPH EVALUATION**
[54] **EVALUATION D'UN GRAPHE DE RAISONNEMENT ACCELERE**
[72] CREEL, CHRISTOPER TAYLOR, US
[72] LINGANNAGARI, BHARATH KUMAR REDDY, US
[72] WATSON, CHRISTOPHER SHAWN, US
[71] COTIVITI, INC., US
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[54] **SYSTEMES ET PROCEDES POUR DES ULTRASONS FOCALISES DE HAUTE INTENSITE**
[72] JANG, JI HOON, US
[72] STEDMAN, GEORGE QUINTIN, US
[72] RASMUSSEN, MORTEN FISCHER, US
[72] ERGUN, ARIF SANLI, US
[72] KHURI-YAKUB, BUTRUS T., US
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[54] **PERCUTANEOUS DELIVERY SYSTEMS FOR ANCHORING AN IMPLANT IN A CARDIAC VALVE ANNULUS**
[54] **SYSTEMES D'ADMINISTRATION PERCUTANEE DESTINES A ANCRER UN IMPLANT DANS UN ANNEAU DE VALVULE CARDIAQUE**
[72] SUBRAMANIAN, VALAVANUR A., US
[72] REO, MICHAEL L., US
[72] HULME, GARY, US
[72] BALDWIN, MICHAEL, US
[72] BENCINI, KEVIN, US
[72] ROWSON, ALEX, US
[72] BOWER, STEPHEN, US
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[54] **SYSTEMES ET PROCEDES POUR EFFECTUER UN CONTROLE DE QUALITE SUR UNE COMPOSITION DE CONSTRUCTION**
[72] KAYELLO, HAMED, US
[72] DACZKO, JOSEPH, US
[72] SCHLAGBAUM, TONY, US
[72] HENSON, DAVID C., US
[72] SEILER, PAUL HORST, US
[72] BURY, JEFFREY, US
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[54] **PROTEINES F CHIMERIQUES DE RSV ET HMPV, COMPOSITIONS IMMUNOGENES, ET METHODES D'UTILISATION**
[72] MOORE, MARTIN L., US
[72] TODD, SEAN, US
[72] STOBART, CHRISTOPHER C., US
[71] EMORY UNIVERSITY, US
[71] CHILDREN'S HEALTHCARE OF ATLANTA, INC., US
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[54] **STRUCTURES DE PERIMETRE DE COMPOSANT D'ENCEINTE**
[72] TIRAMANI, PAOLO, US
[72] TIRAMANI, GALIANO, US
[72] DENMAN, KYLE, US
[71] BUILD IP LLC, US
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[54] **HEART VALVE SEALING DEVICES AND DELIVERY DEVICES THEREFOR**
[54] **DISPOSITIFS D'ETANCHEITE DE VALVULE CARDIAQUE ET DISPOSITIFS DE DISTRIBUTION POUR CEUX-CI**
[72] STEARNS, GRANT MATTHEW, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
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[72] LIM, JOO HEE, KR
[72] KIM, SU JEONG, KR
[72] BAK, YOUN KYUNG, KR
[72] BYUN, SUNG BAE, KR
[71] CJ CHEILJEDANG CORPORATION, KR
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[54] **PRODUIT D'□UFS FACONNE, PRET A CUIRE OU PRET A CONSOMMER COMPORTANT DE FAIBLES QUANTITES D'ADDITIF LIANT**
[72] KESSLER, SAMUEL EDWARD, US
[71] CARGILL, INCORPORATED, US
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[54] **PROCEDES DE TRAITEMENT DE LA CHOLESTASE**
[72] JAECKLIN, THOMAS, CH
[72] DORENBAUM, ALEJANDRO, US
[71] MIRUM PHARMACEUTICALS, INC., US
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[54] **REPONSE DEPENDANT DU GENOTYPE ET DE LA DOSE A UN ASBTI CHEZ DES PATIENTS AYANT UNE DEFICIENCE DE POMPE D'EXPORTATION DE SEL BILIAIRE**
[72] JAECKLIN, THOMAS, CH
[72] DORENBAUM, ALEJANDRO, US
[71] MIRUM PHARMACEUTICALS, INC., US
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[54] **POUDRE DE FERMETURE DE PLAIE COMPRENANT UNE RESINE D'ECHANGE CATIONIQUE**
[72] VADELUND, KURT, US
[72] KEENE, TALMADGE KELLY, US
[72] TRAVI, MARK, US
[71] BIOLIFE, L.L.C., US
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[54] **THIENO[3,2-B] PYRROLE[3,2-D]PYRIDAZINONE DERIVATIVES AND THEIR USE AS PKM2 DERIVATIVES FOR THE TREATMENT OF CANCER, OBESITY AND DIABETES RELATED DISORDERS**
[54] **DERIVES THIENO[3,2-B]-PYRROLE[3,2-D]PYRIDAZINONES ET LEUR UTILISATION COMME DERIVES DE PKM2 POUR LE TRAITEMENT DE TROUBLES ASSOCIES AU CANCER, A L'OBESITE ET AU DIABETE**
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[72] SUI, ZHIHUA, US
[72] JI, JINGJING, CN
[71] AGIOS PHARMACEUTICALS, INC., US
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[54] **TABLEAU ELECTRIQUE INTEGRE**
[72] RAO, ARCHAN PADMANABHAN, US
[72] CONWAY, CHADWICK, US
[72] WEINSTEIN, JACK JESTER, US
[72] DIMEN, IAN, US
[71] SPAN.IO, INC., US
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[54] **AN INTEGRATED MACHINE-LEARNING FRAMEWORK TO ESTIMATE HOMOLOGOUS RECOMBINATION DEFICIENCY**
[54] **STRUCTURE INTEGREE D'APPRENTISSAGE AUTOMATIQUE POUR ESTIMER UNE DEFICIENCE DE RECOMBINAISON HOMOLOGUE**
[72] VENKAT, AARTI, US
[72] PARSONS, JEROD, US
[72] BELL, JOSHUA SK, US
[72] IGARTUA, CATHERINE, US
[72] ZHANG, YILIN, US
[72] SALAHUDEEN, AMEEN, US
[72] SANCHEZ-FREIRE, VERONICA, US
[72] TELL, ROBERT, US
[71] TEMPUS LABS, INC., US
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[54] **COMBINATION THERAPIES FOR USE IN TREATING CANCER**
[54] **POLYTHERAPIES DESTINEES A ETRE UTILISEES DANS LE TRAITEMENT DU CANCER**
[72] HYER, MARC LEE, US
[72] KALEV, PETAR, US
[72] MARJON, KATYA, US
[72] MARKS, KEVIN, US
[71] LES LABORATOIRES SERVIER SAS, FR
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[54] **METHODE D'AMELIORATION DU SOMMEIL**
[72] POLYMEROPOULOS, MIHAEL, US
[72] SMIESZEK, SANDRA, US
[71] VANDA PHARMACEUTICALS INC., US
[71] POLYMEROPOULOS, MIHAEL, US
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[54] **CLAUDIN 6 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CLAUDINE 6 ET LEURS UTILISATIONS**
[72] CHAMBERS, ROSS, US
[72] RUCKER, JOSEPH, US
[72] CHARPENTIER, THOMAS, US
[72] STAFFORD, LEWIS J., US
[72] SCRENCI, BRAD, US
[72] BARNES, TREVOR, US
[72] DORANZ, BENJAMIN, US
[71] INTEGRAL MOLECULAR, INC., US
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[54] **PROTEINES ET SYSTEMES DE FUSION CRISPR/CAS**
[72] CHEN, FUQIANG, US
[71] SIGMA-ALDRICH CO. LLC, US
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[54] **DEPISTAGE BASE SUR LE SANG POUR LA DETECTION DE MALADIES NEUROLOGIQUES DANS DES ETABLISSEMENTS DE SOINS PRIMAIRES**
[72] O'BRYANT, SID E., US
[72] BARBER, ROBERT C., US
[72] XIAO, GUANGHUA, US
[72] GERMAN, DWIGHT, US
[71] UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER AT FORT WORTH, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **COMPOSITION DE COUCHAGE DE PAPIER CONTENANT DES TAUX ELEVES D'AMIDON**
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[72] HOLLAND, DARYL, US
[71] CORN PRODUCTS DEVELOPMENT, INC., US
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[54] **TRANSPALETTES ELECTRIQUE**
[72] ENGLERT, TRAVIS JAMES, US
[72] POPOVITS, JOSEPH E., US
[72] FOSTER, DERICK, US
[72] KALINOWSKI, DANE GIN MUN, US
[72] PERALTA, SAYRE GIORGIO, US
[71] REHRIG PACIFIC COMPANY, US
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[54] **ARCHITECTURE DE SYSTEME ET PROCEDES POUR ANALYSER DES DONNEES DE SANTE SUR L'ENSEMBLE DE REGIONS GEOGRAPHIQUES PAR PRIORITE A L'AIDE D'UNE PLATEFORME INFORMATIQUE DECENTRALISEE**
[72] YOUSFI, RAZIK, US
[72] GRADY, LEO, US
[71] HEARTFLOW, INC., US
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[54] **SYSTEMS AND METHODS FOR ULTRALOW FIELD RELAXATION DISPERSION**
[54] **SYSTEMES ET PROCEDES POUR UNE DISPERSION DE RELAXATION DE CHAMP ULTRA-FAIBLE**
[72] GOMES, MULLER, US
[71] PROMAXO, INC., US
[85] 2021-08-10
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[54] **MOLECULES CYCLIQUES SERVANT D'INHIBITEUR DE LA TYROSINE KINASE DE BRUTON**
[72] WANG, ZHAOYIN, CN
[72] YAO, BING, CN
[72] YAO, YUANSHAN, CN
[72] LI, AO, CN
[72] CAO, GUOQING, CN
[71] MINGHUI PHARMACEUTICAL (SHANGHAI) LIMITED, CN
[71] MINGHUI PHARMACEUTICAL (HANGZHOU) LIMITED, CN
[85] 2021-08-16
[86] 2020-01-16 (PCT/CN2020/072551)
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[30] CN (201910049183.9) 2019-01-18

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[51] **Int.Cl. H04L 29/06 (2006.01) G06F 21/33 (2013.01) H04L 9/32 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PREAUTHENTICATING TOKENS ISSUED BY A CLIENT**
[54] **PROCEDES ET SYSTEMES DE PRE-AUTHENTIFICATION DE JETONS EMIS PAR UN CLIENT**
[72] LEON, FELIPE, US
[71] CITRIX SYSTEMS, INC., US
[85] 2021-08-10
[86] 2020-02-25 (PCT/US2020/019576)
[87] (WO2020/180528)
[30] US (16/292,786) 2019-03-05

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[51] **Int.Cl. G01N 33/53 (2006.01) C12N 5/078 (2010.01) C12N 5/09 (2010.01) A61K 35/14 (2015.01) A61P 35/00 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **USE OF PLASMA MEMBRANE PARTICLES, LIPOSOMES, AND EXOSOMES TO ASSAY IMMUNE CELL POTENCY**
[54] **UTILISATION DE PARTICULES DE MEMBRANE PLASMIQUE, DE LIPOSOMES ET D'EXOSOMES POUR DOSAGE DE LA PUISSANCE D'UNE CELLULE IMMUNITAIRE**
[72] LEE, DEAN ANTHONY, US
[72] THAKKAR, AAROHI, US
[72] HALL, MARK, US
[72] MUSZYNSKI, JENNIFER, US
[71] RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, US
[85] 2021-08-10
[86] 2020-02-14 (PCT/US2020/018384)
[87] (WO2020/168254)
[30] US (62/805,359) 2019-02-14

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[51] **Int.Cl. B62B 3/06 (2006.01)**
[25] EN
[54] **ADJUSTABLE SPAN TINE PALLET JACK**
[54] **TRANSPALETTE A DENTS A PORTEE REGLABLE**
[72] KALINOWSKI, DANE GIN MUN, US
[71] REHRIG PACIFIC COMPANY, US
[85] 2021-08-10
[86] 2020-02-25 (PCT/US2020/019624)
[87] (WO2020/176458)
[30] US (62/810,308) 2019-02-25
[30] US (62/884,000) 2019-08-07

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[51] **Int.Cl. A23K 20/147 (2016.01) A23K 10/38 (2016.01) A23J 1/00 (2006.01) A23J 1/16 (2006.01) C05F 7/00 (2006.01)**
[25] EN
[54] **PROCESS FOR IMPROVING PROTEIN RECOVERY IN STILLAGE PROCESSING STREAMS**
[54] **PROCEDE D'AMELIORATION DE LA RECUPERATION DE PROTEINES DANS DES FLUX DE TRAITEMENT DE DRECHES**
[72] XIAO, LAN, US
[71] ECOLAB USA INC., US
[85] 2021-08-10
[86] 2020-02-14 (PCT/US2020/018385)
[87] (WO2020/168255)
[30] US (62/806,481) 2019-02-15

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[51] **Int.Cl. B01L 3/00 (2006.01) A61B 5/15 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **SAMPLE HANDLING DEVICE**
[54] **DISPOSITIF DE MANIPULATION D'ECHANTILLON**
[72] BATE, ERNEST M, GB
[72] HAYDON, TOM, GB
[72] LAITINEN, MIKA, FI
[71] MAGNASENSE TECHNOLOGIES OY, FI
[85] 2021-08-11
[86] 2020-02-12 (PCT/FI2020/050087)
[87] (WO2020/165501)
[30] FI (20195102) 2019-02-12

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[25] EN
[54] **METHOD AND APPARATUS FOR CUSTOM BLEND COMPOSITIONS**
[54] **PROCEDE ET APPAREIL POUR COMPOSITIONS DE MELANGE PERSONNALISEES**
[72] DEDEWO, DANIEL O., US
[72] WILSON, DAVID EDWARD, US
[71] ELC MANAGEMENT LLC, US
[85] 2021-08-10
[86] 2020-02-14 (PCT/US2020/018440)
[87] (WO2020/168297)
[30] US (62/806,584) 2019-02-15

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[51] **Int.Cl. H01M 4/88 (2006.01) H01M 8/1018 (2016.01) B01J 23/89 (2006.01) B01J 37/00 (2006.01) H01M 4/92 (2006.01)**
[25] EN
[54] **CATALYST FOR A FUEL CELL**
[54] **CATALYSEUR POUR PILE A COMBUSTIBLE**
[72] MARTINEZ-BONASTRE, ALEJANDRO, GB
[72] O'MALLEY, RACHEL, GB
[72] THEOBALD, BRIAN, GB
[71] JOHNSON MATTHEY FUEL CELLS LIMITED, GB
[85] 2021-08-11
[86] 2020-03-20 (PCT/GB2020/050743)
[87] (WO2020/193958)
[30] GB (1903950.2) 2019-03-22

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[51] **Int.Cl. C08L 23/02 (2006.01) C08L 23/04 (2006.01) C08L 23/10 (2006.01) C08K 3/22 (2006.01)**
[25] EN
[54] **COMPOSITION FOR ODOR SUPPRESSION**
[54] **COMPOSITION POUR L'ELIMINATION D'ODEURS**
[72] MCALPIN, CASEY R., US
[72] KRASOVSKIY, ARKADY L., US
[72] SUN, KEFU, US
[72] MATTEUCCI, SCOTT T., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2021-08-10
[86] 2020-02-18 (PCT/US2020/018620)
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[30] US (62/811,351) 2019-02-27

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[51] **Int.Cl. E21B 43/16 (2006.01)**
[25] EN
[54] **METHOD FOR ENHANCED OIL RECOVERY**
[54] **PROCEDE DE RECUPERATION DE PETROLE AMELIOREE**
[72] LAGER, ARNAUD, FR
[72] SCHREIBER, PIERRE-EDOUARD, FR
[71] TOTAL SE, FR
[85] 2021-08-11
[86] 2019-02-14 (PCT/IB2019/000169)
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[51] **Int.Cl. C07D 213/24 (2006.01) A61K 31/415 (2006.01) A61K 31/4245 (2006.01) A61P 3/06 (2006.01) A61P 13/00 (2006.01) A61P 35/00 (2006.01) C07D 231/12 (2006.01) C07D 271/06 (2006.01) C07D 403/12 (2006.01) C07D 407/12 (2006.01) C07D 409/12 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **SUBSTITUTED AMIDE COMPOUNDS USEFUL AS FARNESOID X RECEPTOR MODULATORS**
[54] **COMPOSES AMIDE SUBSTITUES UTILES EN TANT QUE MODULATEURS DU RECEPTEUR FARNESOIDE X**
[72] WACKER, DEAN A., US
[72] NARA, SUSHEEL JETHANAND, IN
[72] CHERUKU, SRINIVAS, IN
[72] SARKUNAM, KANDHASAMY, IN
[72] JAIPURI, FIROZ ALI, IN
[72] THANGAVEL, SOODAMANI, IN
[72] NARAYAN, RISHIKESH, IN
[72] JOGI, SRINIVAS, IN
[72] KATHI, PAVAN KALYAN, IN
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2021-08-10
[86] 2020-02-14 (PCT/US2020/018211)
[87] (WO2020/168149)
[30] US (62/806,060) 2019-02-15

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[51] **Int.Cl. H02B 1/052 (2006.01) H02B 1/56 (2006.01) H05B 3/56 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **APPARATUS FOR ELECTRONIC COMPONENT AND HEATING CABLE MOUNTING**
[54] **APPAREIL DE MONTAGE DE COMPOSANT ELECTRONIQUE ET DE CABLE CHAUFFANT**
[72] DONG, WESLEY, US
[72] KRAMARZ, WOJCIECH, PL
[72] CAOUETTE, DAN, US
[72] MAHANI, AMIR, CA
[72] CICHOCKI, ARKADIUSZ, PL
[71] NVENT SERVICES GMBH, CH
[85] 2021-08-11
[86] 2020-02-14 (PCT/IB2020/000146)
[87] (WO2020/165653)
[30] US (62/806,064) 2019-02-15

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[51] **Int.Cl. H04R 1/22 (2006.01) H04R 3/04 (2006.01)**
[25] EN
[54] **AN HEADPHONE SYSTEM**
[54] **SYSTEME DE CASQUE D'ECOUTE**
[72] KARKERA, NAVAJITH PADMANABHA, IN
[72] BIDDAPPA, JAGATH, IN
[72] PREETHAM, ., IN
[71] RAPTURE INNOVATION LABS PRIVATE LIMITED, IN
[85] 2021-08-11
[86] 2020-01-27 (PCT/IB2020/050592)
[87] (WO2020/165667)
[30] IN (201941005439) 2019-02-12

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[13] A1
[51] **Int.Cl. B65D 65/40 (2006.01) A61K 9/70 (2006.01) A61K 31/155 (2006.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01) A61K 47/24 (2006.01) A61P 31/02 (2006.01) B65D 81/18 (2006.01)**
[25] EN
[54] **PACKAGING FOR ANTISEPTIC WIPES AND WARMING OF PACKAGED WIPES**
[54] **EMBALLAGE POUR LINGETTES ANTISEPTIQUES ET CHAUFFAGE DE LINGETTES EMBALLEES**
[72] KEHOE, LAUREN, US
[72] MAALOUF, SHARBEL J., US
[72] PARTHUN, WILLIAM, US
[72] CECOLA, ALANA, US
[71] MEDLINE INDUSTRIES, INC., US
[85] 2021-08-10
[86] 2020-02-19 (PCT/US2020/018795)
[87] (WO2020/176305)
[30] US (16/287,261) 2019-02-27

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[51] **Int.Cl. A61K 31/55 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **EXTRACELLULAR MATRIX MODULATING AGENT**
[54] **AGENT DE MODULATION DE MATRICE EXTRACELLULAIRE**
[72] KRUSE, FRIEDRICH E., DE
[72] SCHLOTZER-SCHREHARDT, URSULA, DE
[71] KRUSE, FRIEDRICH E., DE
[71] SCHLOTZER-SCHREHARDT, URSULA, DE
[71] KOWA COMPANY, LTD., JP
[85] 2021-08-11
[86] 2020-02-27 (PCT/JP2020/008101)
[87] (WO2020/175636)
[30] JP (PCT/JP2019/007735) 2019-02-28
[30] JP (2019-179428) 2019-09-30

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[51] **Int.Cl. H04B 5/00 (2006.01) G06K 7/00 (2006.01) G06K 7/10 (2006.01)**
[25] EN
[54] **TECHNIQUES TO REDUCE POWER CONSUMPTION IN NEAR FIELD COMMUNICATION SYSTEMS**
[54] **TECHNIQUES POUR REDUIRE LA CONSOMMATION D'ENERGIE DANS DES SYSTEMES DE COMMUNICATION EN CHAMP PROCHE**
[72] OSBORN, KEVIN, US
[72] WURMFELD, DAVID, US
[72] EMMOTT, KEVAN, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2021-08-10
[86] 2020-02-20 (PCT/US2020/018936)
[87] (WO2020/176314)
[30] US (16/287,119) 2019-02-27

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[13] A1
[51] **Int.Cl. B44D 3/14 (2006.01) B65D 25/28 (2006.01) B65D 25/32 (2006.01)**
[25] EN
[54] **COATING MATERIAL CONTAINER**
[54] **CONTENANT DE MATERIAU DE REVETEMENT**
[72] LAMBERTSON, MICHAEL C., JR., US
[72] ROBERTSON, JOSHUA R., US
[71] SWIMC LLC, US
[85] 2021-08-10
[86] 2020-02-26 (PCT/US2020/019873)
[87] (WO2020/180556)
[30] US (62/812,418) 2019-03-01

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[13] A1
[51] **Int.Cl. B65D 85/72 (2006.01) B65D 35/08 (2006.01) B65D 35/44 (2006.01) B65D 47/10 (2006.01)**
[25] EN
[54] **HERMETIC, HYGIENIC, SINGLE-USE PACKAGING FOR CONSUMABLE LIQUIDS**
[54] **EMBALLAGE HERMETIQUE, HYGIENIQUE ET A USAGE UNIQUE POUR LIQUIDES CONSOMMABLES**
[72] BLYSNIUK, GREGORY, CA
[72] BOJECZKO, DMYTRO JAMES, CA
[71] 2677126 ONTARIO INC., CA
[85] 2021-08-11
[86] 2020-02-11 (PCT/CA2020/050177)
[87] (WO2020/163946)
[30] US (62/804,586) 2019-02-12
[30] US (16/527,248) 2019-07-31

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[13] A1
[51] **Int.Cl. A61K 31/551 (2006.01) A61P 25/28 (2006.01) C07D 491/147 (2006.01) C07D 491/22 (2006.01) C07D 495/22 (2006.01)**
[25] EN
[54] **PENTACYCLIC HETEROCYCLIC COMPOUND**
[54] **COMPOSE HETEROCYCLIQUE PENTACYCLIQUE**
[72] OHASHI, YOSHIAKI, JP
[72] NORIMINE, YOSHIHIKO, JP
[72] HOSHIKAWA, TAMAKI, JP
[72] YOSHIDA, YU, JP
[72] KOBAYASHI, YOSHIHISA, JP
[72] SATO, NOBUHIRO, JP
[72] HAGIWARA, KOJI, JP
[72] SATO, NOBUAKI, JP
[72] HIROTA, SHINSUKE, JP
[72] HARADA, TAKAAKI, JP
[72] YOSHIMURA, HIKARU, JP
[71] ELSAI R&D MANAGEMENT CO., LTD., JP
[85] 2021-08-11
[86] 2020-03-03 (PCT/JP2020/008881)
[87] (WO2020/179780)
[30] JP (2019-039351) 2019-03-05

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[51] **Int.Cl. C07K 14/435 (2006.01)**
[25] EN
[54] **CHIMERIC CYTOKINE RECEPTORS BEARING A PD-1 ECTODOMAIN**
[54] **RECEPTEURS DE CYTOKINE CHIMERIQUES PORTANT UN ECTODOMAINE DE PD-1**
[72] LIN, REGINA JUNHUI, US
[72] VAN BLARCOM, THOMAS JOHN, US
[72] PANOWSKI, SILER, US
[72] SASU, BARBRA JOHNSON, US
[71] ALLOGENE THERAPEUTICS, INC., US
[85] 2021-08-10
[86] 2020-02-28 (PCT/US2020/020340)
[87] (WO2020/180664)
[30] US (62/812,799) 2019-03-01
[30] US (62/894,659) 2019-08-30
[30] US (62/980,737) 2020-02-24

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[13] A1
[51] **Int.Cl. C07K 14/435 (2006.01)**
[25] EN
[54] **CONSTITUTIVELY ACTIVE CHIMERIC CYTOKINE RECEPTORS**
[54] **RECEPTEURS DE CYTOKINES CHIMERIQUES CONSTITUTIVEMENT ACTIFS**
[72] LIN, REGINA JUNHUI, US
[72] VAN BLARCOM, THOMAS JOHN, US
[72] PANOWSKI, SILER, US
[72] SASU, BARBRA JOHNSON, US
[71] ALLOGENE THERAPEUTICS, INC., US
[85] 2021-08-10
[86] 2020-02-28 (PCT/US2020/020415)
[87] (WO2020/180694)
[30] US (62/812,911) 2019-03-01
[30] US (62/980,823) 2020-02-24

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[13] A1
[51] **Int.Cl. B60R 11/04 (2006.01) B60W 30/10 (2006.01) G01S 13/86 (2006.01) G01S 17/87 (2020.01) G01S 17/89 (2020.01)**
[25] EN
[54] **SENSOR ASSEMBLY FOR AUTONOMOUS VEHICLES**
[54] **ENSEMBLE CAPTEUR POUR VEHICULES AUTONOMES**
[72] SHANE, LAURA, US
[72] BURNETTE, DONALD, US
[72] HINRICHER, COURT, US
[72] KUVELKER, JAY, US
[72] WENDEL, ANDREAS, US
[72] ZINN, JOHN, US
[71] KODIAK ROBOTICS, INC., US
[85] 2021-08-10
[86] 2020-02-28 (PCT/US2020/020450)
[87] (WO2020/180707)
[30] US (62/812,779) 2019-03-01

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[13] A1
[51] **Int.Cl. C12Q 1/6804 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/6851 (2018.01) C12Q 1/6876 (2018.01) C12Q 1/68 (2018.01) G01N 33/543 (2006.01)**
[25] EN
[54] **SYSTEMS, COMPOSITIONS, AND METHODS FOR TARGET ENTITY DETECTION**
[54] **SYSTEMES, COMPOSITIONS, ET PROCEDES POUR LA DETECTION D'ENTITES CIBLE**
[72] SEDLAK, JOSEPH CHARLES, US
[72] BORTOLIN, LAURA TERESA, US
[72] SALEM, DANIEL PARKER, US
[71] MERCY BIOANALYTICS, INC., US
[85] 2021-08-10
[86] 2020-02-28 (PCT/US2020/020529)
[87] (WO2020/180741)
[30] US (62/812,878) 2019-03-01
[30] US (62/962,722) 2020-01-17

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[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/77 (2006.01)**
[25] EN
[54] **POOLED GENOME EDITING IN MICROBES**
[54] **EDITION GENOMIQUE GROUPEE DANS DES MICROBES**
[72] BLASKOWSKI, STEPHEN, US
[72] DA LUZ AREOSA CLETO, SARA, US
[72] COATES, CAMERON, US
[72] MILLER, AARON, US
[72] NADEMANEE, SHARON, US
[72] NETWAL, MELISSA, US
[72] PATEL, KEDAR, US
[72] SZYJKA, SHAWN, US
[72] WEYMAN, PHILIP, US
[72] STONEBLOOM, SOLOMON HENRY, US
[72] MAXWELL, COLIN SCOTT, US
[72] MEIER, ELIZABETH LAUREN, US
[71] ZYMERGEN INC., US
[85] 2021-08-10
[86] 2020-03-06 (PCT/US2020/021448)
[87] (WO2020/185584)
[30] US (62/816,035) 2019-03-08

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[13] A1
[51] **Int.Cl. F16L 13/14 (2006.01) F16L 33/207 (2006.01)**
[25] EN
[54] **FITTING FOR CONNECTING PIPES, IN PARTICULAR FLEXIBLE PIPES**
[54] **RACCORD POUR RACCORDER DES TUYAUX, EN PARTICULIER DES TUYAUX SOUPLES**
[72] BERTOLOTTI, UMBERTO, IT
[72] CONTINI, MARIO, IT
[71] I.V.A.R. S.P.A., IT
[85] 2021-08-11
[86] 2020-02-10 (PCT/IB2020/051026)
[87] (WO2020/170066)
[30] IT (102019000002345) 2019-02-18

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[13] A1
[51] **Int.Cl. C12N 15/73 (2006.01) C12N 9/22 (2006.01) C12N 15/63 (2006.01) C12N 15/80 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **ITERATIVE GENOME EDITING IN MICROBES**
[54] **EDITION GENOMIQUE ITERATIVE DANS DES MICROBES**
[72] BLASKOWSKI, STEPHEN, US
[72] DA LUZ AREOSA CLETO, SARA, US
[72] COATES, CAMERON, US
[72] MILLER, AARON, US
[72] NADEMANEE, SHARON, US
[72] NETWAL, MELISSA, US
[72] PATEL, KEDAR, US
[72] SZYJKA, SHAWN, US
[72] WEYMAN, PHILIP, US
[72] STONEBLOOM, SOLOMON HENRY, US
[72] MAXWELL, COLIN SCOTT, US
[72] MEIER, ELIZABETH LAUREN, US
[71] ZYMERGEN INC., US
[85] 2021-08-10
[86] 2020-03-06 (PCT/US2020/021472)
[87] (WO2020/185590)
[30] US (62/816,031) 2019-03-08

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[13] A1
[51] **Int.Cl. H04N 19/52 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **DYNAMIC IMAGE DECODING DEVICE, DYNAMIC IMAGE DECODING METHOD, DYNAMIC IMAGE DECODING PROGRAM, DYNAMIC IMAGE ENCODING DEVICE, DYNAMIC IMAGE ENCODING METHOD, AND DYNAMIC IMAGE ENCODING PROGRAM**
[54] **DISPOSITIF DE DECODAGE D'IMAGE DYNAMIQUE, PROCEDE DE DECODAGE D'IMAGE DYNAMIQUE, PROGRAMME DE DECODAGE D'IMAGE DYNAMIQUE, DISPOSITIF DE CODAGE D'IMAGE DYNAMIQUE, PROCEDE DE CODAGE D'IMAGE DYNAMIQUE ET PROGRAMME DE CODAGE D'IMAGE DYNAMIQUE**
[72] FUKUSHIMA, SHIGERU, JP
[72] NAKAMURA, HIROYA, JP
[72] SAKAZUME, SATORU, JP
[72] KUMAKURA, TORU, JP
[72] KURASHIGE, HIROYUKI, JP
[72] TAKEHARA, HIDEKI, JP
[71] JVC KENWOOD CORPORATION, JP
[85] 2021-06-22
[86] 2019-12-20 (PCT/JP2019/050103)
[87] (WO2020/137888)
[30] JP (2018-247407) 2018-12-28
[30] JP (2019-063065) 2019-03-28

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[13] A1
[51] **Int.Cl. B05B 11/00 (2006.01) B65D 83/14 (2006.01) F16K 31/363 (2006.01) B05B 1/30 (2006.01)**
[25] EN
[54] **ATOMIZER DEVICE**
[54] **DISPOSITIF D'ATOMISATION**
[72] DE KRUIJF, WILHELMUS PETRUS JOHANNES, NL
[72] VAN RIJN, CORNELIS JOHANNES MARIA, NL
[72] NIJDAM, WIETZE, NL
[72] VAN EGMOND, HENRI JOSEPH, NL
[71] RESYCA B.V., NL
[85] 2021-08-11
[86] 2020-02-12 (PCT/NL2020/050077)
[87] (WO2020/167119)
[30] NL (2022560) 2019-02-12

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[13] A1
[51] **Int.Cl. A01H 4/00 (2006.01) A01G 2/10 (2018.01) A01G 24/00 (2018.01) C12M 3/00 (2006.01) C12N 5/04 (2006.01)**
[25] EN
[54] **AUTOMATED MICROPROPAGATION SYSTEM FOR PLANT TISSUE CULTURE**
[54] **SYSTEME DE MICROPROPAGATION AUTOMATISEE POUR CULTURE DE TISSU VEGETAL**
[72] PARK, JUNG WOOK, CA
[72] LEE, TIEN JUNG, CA
[72] ZOBAYE, SAYED MD, CA
[72] TULLI, FLAVIO FIRMANI, CA
[72] AUJLA, JAGJIT SINGH, CA
[71] PARK, JUNG WOOK, CA
[71] LEE, TIEN JUNG, CA
[71] ZOBAYE, SAYED MD, CA
[71] TULLI, FLAVIO FIRMANI, CA
[71] AUJLA, JAGJIT SINGH, CA
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[54] **PROCEDE DE PREPARATION DE DIAMIDES ANTHRANILIQUES ET D'INTERMEDIAIRES CORRESPONDANTS**
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[72] KANAWADE, SHRIKANT BHAUSAHEB, IN
[72] SALVI, VIJAY KUMAR, IN
[72] SYTHANA, SURESH KUMAR, IN
[72] KALE, YUVRAJ NAVNATH, IN
[72] NAGLE, PRAMOD SUBHASH, IN
[72] PANMAND, DEEPAK SHANKAR, IN
[71] PI INDUSTRIES LTD., IN
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[54] **REVETEMENTS DE COPOLYMERES ZWITTERIONIQUES ET PROCEDES ASSOCIES**
[72] JIANG, SHAOYI, US
[72] LIN, XIAOJIE, US
[72] HIMMELFARB, JONATHAN, US
[72] RATNER, BUDDY D., US
[71] UNIVERSITY OF WASHINGTON, US
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[71] KANSAI PAINT CO., LTD., JP
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[54] **TECHNIQUES DE DIAGNOSTIC BASEES SUR DES MODELES VOCAUX**
[72] SHALLOM, ILAN D., IL
[71] CORDIO MEDICAL LTD., IL
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[72] CHOI, THOMAS KYO, CN
[71] CURVALUX UK LIMITED, GB
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[54] **POLYPEPTIDE COMPOSITE AYANT UN MOTIF DE LIAISON METALLIQUE ET CONSTRUCTION MOLECULAIRE LE COMPRENANT**
[72] CHANG, TSE-WEN, CN
[72] CHU, HSING-MAO, CN
[72] TIAN, WEI-TING, CN
[72] YU, YUEH-HSIANG, CN
[71] IMMUNWORK INC., CN
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[54] **VIRUS DE LA VACCINE RECOMBINANT ET SES PROCEDES D'UTILISATION**
[72] KIRN, DAVID H., US
[72] MARURI AVIDAL, LILIANA, US
[72] LIMSIRICHAI, PRAJIT, US
[71] IGNITE IMMUNOTHERAPY, INC., US
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[54] **TECHNIQUES DE DIAGNOSTIC BASEES SUR UN ALIGNEMENT D'ECHANTILLON DE PAROLE**
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[71] CORDIO MEDICAL LTD., IL
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[54] **CENTRALE EOLIENNE ET PROCEDE DE CONSTRUCTION**
[72] LOKEN, ROLF, NO
[72] HANNUS, HENRIK, NO
[72] BERG, GEIR OLAV, NO
[72] LAUKELAND, LARS, NO
[72] ERSDAL, SVEIN, NO
[72] PAULSHUS, BJORN, NO
[72] NYMOEN, TERJE, NO
[72] ALMELAND, INGE BERTIN, NO
[72] VATNE, ODD OLAV, NO
[72] STOLEN, SIMEN FODSTAD, NO
[72] ZIMSEN, CLIFF, NO
[72] BEKHOUCHE, CHRISTOPHE, NO
[71] AKER SOLUTIONS AS, NO
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[72] MORELLATO, FRANCK, FR
[71] TMT TAPPING MEASURING TECHNOLOGY SARL, LU
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[54] **WATER MONITORING DEVICE WITH REPLACEABLE REAGENT CARTRIDGE**
[54] **DISPOSITIF DE SURVEILLANCE D'EAU DOTE D'UNE CARTOUCHE DE REACTIF REMPLACABLE**
[72] KURANI, RAVI, US
[72] PROTERRA, DANIEL, US
[72] VALEYEV, ALEXANDR, US
[71] SUTRO CONNECT, INC., US
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[54] **SEPARATEUR DE GAZ A HELICE**
[72] BROWN, DONN J., US
[72] BECK, DAVID C., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **PROCEDE MECANO-CHIMIQUE**
[72] LUTHE, GREGOR, DE
[71] SMART MATERIAL PRINTING B.V., NL
[71] MUNCH, ELKE, DE
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[54] **DETECTION OPTIQUE SELECTIVE D'ANALYTES ORGANIQUES DANS DES LIQUIDES**
[72] BABITSHENKO, SERGEI, EE
[72] JARV, JAAK, EE
[72] KUZNETSOV, ALEKSEI, EE
[72] MASTITSKI, ANTON, EE
[71] QANIKDX OU, EE
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[54] **PINCE HEMOSTATIQUE A CAPSULE PLIABLE**
[72] CONGDON, DANIEL, US
[72] LEHTINEN, LAURIE A., US
[72] ROBERTS, ALEX, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
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[54] **DEPLOIEMENT DE PINCE HEMOSTATIQUE**
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[72] LEHTINEN, LAURIE A., US
[72] ROBERTS, ALEX, US
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[54] **TRANSCEIVER DEVICE AND SCHEDULING DEVICE**
[54] **DISPOSITIF EMETTEUR-RECEPTEUR ET DISPOSITIF DE PLANIFICATION**
[72] KUANG, QUAN, DE
[72] SUZUKI, HIDETOSHI, JP
[72] LI, HONGCHAO, DE
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
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[54] **HEART VALVE SEALING DEVICES AND DELIVERY DEVICES THEREFOR**
[54] **DISPOSITIFS D'ETANCHEITE DE VALVE CARDIAQUE ET DISPOSITIFS DE DISTRIBUTION POUR CEUX-CI**
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[72] FRESCHAUF, LAUREN R., US
[72] FOREMAN, RACHEL LIAT DAVID, US
[72] GOHRES, RACHEL ANN, US
[72] POPP, MICHAEL J., US
[72] OKOS, CHRIS J., US
[72] OBERWISE, ERIC MICHAEL, US
[72] FORD, STEVEN M., US
[72] KEPLINGER, STEFAN FLORIAN, DE
[71] EDWARDS LIFESCIENCES CORPORATION, US
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[54] **METHODS AND SYSTEMS FOR TOKEN-BASED ANCHORING OF A PHYSICAL OBJECT IN A DISTRIBUTED LEDGER ENVIRONMENT**
[54] **PROCEDES ET SYSTEMES POUR UN ANCRAGE BASE JETON D'UN OBJET PHYSIQUE DANS UN ENVIRONNEMENT DE REGISTRE DISTRIBUE**
[72] ENDRESS, THOMAS, DE
[72] SZABO, DANIEL, DE
[72] BERKERMANN, FREDERIC, DE
[72] MELGAREJO DIAZ, NATALI, DE
[72] BRAZEL, CARL CHRISTIAN, DE
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[71] MERCK PATENT GMBH, DE
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[54] **CARTOGRAPHIE QUANTITATIVE DE PROTEINES ASSOCIEES A LA CHROMATINE**
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[72] SUN, ZU-WEN, US
[72] KEOGH, MICHAEL-CHRISTOPHER, US
[71] EPICYPHER, INC., US
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[54] **A METHOD FOR FORMING A PRESSURE SENSOR**
[54] **PROCEDE DE FORMATION D'UN CAPTEUR DE PRESSION**
[72] CRISPIN, DOYLE, GB
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **PLANTES DE BRASSICA RESISTANTES A LA HERNIE**
[72] NGUYEN, THI NINH THUAN, BE
[72] CHONGO, GODFREY, CA
[72] DEVLAMYNCK, JASPER, BE
[72] WAGNER, GEOFFREY, BE
[71] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US
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[54] **TRAITEMENT DE CILIOPATHIE**
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[72] KRETZSCHMANN, VERENA, DE
[72] KUBISCH-DOHMEN, REBEKKA, DE
[72] DOHMEN, CHRISTIAN, DE
[72] GEIGER, JOHANNES, DE
[72] ANEJA, MANISH, DE
[72] WEISS, LUDWIG, DE
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[72] LOGES, NIKI TOMAS, DE
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[72] TER STEEGE, ADRIAN, DE
[71] ETHRIS GMBH, DE
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[54] **STRUCTURE D'ATTERRISSAGE POUR UN VEHICULE AERIEN SANS PILOTE**
[72] DUCHARME, ALFRED D., US
[72] STEPIEN, ADAM, US
[72] TABOR, JASON, US
[72] WHITAKER, LUCAS COLT, US
[72] BURROUGHS, DANIEL J., US
[71] HOVERFLY TECHNOLOGIES, INC., US
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[54] **BOUCHON D'ENSEMBLE SUPERIEUR ET PROCEDE**
[72] ROESSLER, DENNIS, US
[72] WROBLICKY, MICHAEL, US
[72] ROSENTHAL, WAYNE, US
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[54] **DEPTH AND VISION SENSORS FOR CHALLENGING AGRICULTURAL ENVIRONMENTS**
[54] **CAPTEURS DE PROFONDEUR ET DE VISION POUR ENVIRONNEMENTS AGRICOLES DIFFICILES**
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[72] LESSING, JOSHUA AARON, US
[72] PRATUSEVICH, MICHELE, US
[72] CHRISOS, JASON A., US
[72] ADITYA, SHREYAS, US
[71] APPHARVEST TECHNOLOGY, INC., US
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[54] **SYSTEME ET PROCEDE DE DETERMINATION DE LA DIRECTION DU VENT ET DE MESURE DE VITESSE EN ALTITUDE D'UN VEHICULE AERIEN SANS PILOTE**
[72] DUCHARME, ALFRED D., US
[72] TOPPING, ROBERT, US
[71] HOVERFLY TECHNOLOGIES, INC., US
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[54] **EVOLUTION DE LIMITE DE COUCHE POUR SEGMENTATION DE TOMOGRAPHIE PAR COHERENCE OPTIQUE MACULAIRE**
[72] PRINCE, JERRY L., US
[72] CARASS, AARON, US
[72] LIU, YIHAO, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2021-08-02
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[54] **FLAVONOIDES ET SANTE ANIMALE ET PERFORMANCE**
[72] CRESPO MONTERO, FRANCISCO JAVIER, ES
[72] PANIAGUA JIMENEZ, MONTSERRAT, ES
[72] ARIS GIRALT, ANNA, ES
[72] DEVANT GUILLE, MARIA, ES
[71] HEALTHTECH BIO ACTIVES, S.L.U., ES
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[54] **APPAREIL ET SYSTEME DE CUISSON ET DE STOCKAGE REFRIGERE DE REPAS MULTIPLES**
[72] WIEDER, MAXWELL HENRY, US
[72] HOLZINGER, EDWARD DAVID, US
[72] JAMES, CLAYTON, US
[71] COUNTER INTUITIVE COOKING, INC., US
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[54] **SYSTEM AND METHOD FOR CONTROLLING A MULTI-STATE ELECTROCHEMICAL CELL**
[54] **SYSTEME ET PROCEDE DE COMMANDE D'UNE CELLULE ELECTROCHIMIQUE MULTI-ETATS**
[72] UA CEARNAIGH, DEOIS CHIARAIN MAC SEAMUIS, US
[71] ACHINIBAHJEECHIN INTELLECTUAL PROPERTY, LLC, US
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[54] **METHODE DE PRODUCTION DE VIRUS**
[72] VELA, ERIC, US
[71] OLOGY BIOSERVICES, INC., US
[85] 2021-08-11
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[54] **PARTICULATE COMPOSITION COMPRISING CALCIUM NITRATE AND MOLYBDENUM AND METHOD FOR THE MANUFACTURE THEREOF**
[54] **COMPOSITION PARTICULAIRE COMPRENANT DU NITRATE DE CALCIUM ET DU MOLYBDENE ET SON PROCEDE DE FABRICATION**
[72] FROGNER, TORE, NO
[72] KIRKEBOEN NAESS, MARI, NO
[72] MYRSTAD, AMUND, NO
[71] YARA INTERNATIONAL ASA, NO
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[54] **ABSORPTION SOLVENT REGENERATION DEVICE, CO2 RECOVERY DEVICE, AND METHOD FOR MODIFYING ABSORPTION SOLVENT REGENERATION DEVICE**
[54] **DISPOSITIF DE REGENERATION DE SOLUTION D'ABSORPTION, DISPOSITIF DE RECUPERATION DE CO2, ET PROCEDE DE MODIFICATION DE DISPOSITIF DE REGENERATION DE SOLUTION D'ABSORPTION**
[72] SORIMACHI, YOSHIKI, JP
[72] KAMIJO, TAKASHI, JP
[72] KISHIMOTO, SHINYA, JP
[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
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[54] **CORPS DE BASE POUR UN MOTEUR ELECTRIQUE**
[72] FLEISCHMANN, BERND, DE
[72] SCHMOHL, MICHAEL, DE
[72] BAUER, STEFAN, DE
[72] FLOETE, ENRICO, DE
[72] HILLER, MATTHIAS, DE
[72] WIESNER, BERND, DE
[72] STENZEL, THOMAS, DE
[71] METABOWERKE GMBH, DE
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[54] **METHOD FOR DIRECT REDUCTION IN A FLUIDIZED BED**
[54] **PROCEDE DE REDUCTION DIRECTE DANS UN LIT FLUIDISE**
[72] REIN, NORBERT, AT
[72] WURM, JOHANN, AT
[72] HIEBL, BERNHARD, AT
[72] OFNER, HANSPETER, AT
[72] EISL, ROLAND, AT
[71] PRIMETALS TECHNOLOGIES AUSTRIA GMBH, AT
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[54] **SYSTEME DE TUBE DE RE-INFUSION, EMBALLAGE ET PROCEDES**
[72] HAECKER, JUERGEN, DE
[72] MANKE, JOACHIM, DE
[72] MUELLER, RALF, DE
[72] DAVICO, EDOARDO, IT
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
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[54] **GRIPPER TOOLS FOR OBJECT GRASPING AND MANIPULATION**
[54] **OUTILS DE PREHENSION POUR LA SAISIE ET LA MANIPULATION D'OBJETS**
[72] KNOPF, RYAN R., US
[72] LESSING, JOSHUA AARON, US
[72] CHRISOS, JASON A., US
[71] APPHARVEST TECHNOLOGY, INC., US
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[54] **COMPOSE DE BENZOINDAZOLONE ET INTERMEDIAIRE DE CELUI-CI**
[72] LEE, WHEE SEONG, KR
[72] LEE, EUN JU, KR
[72] KO, IN SEOK, KR
[71] LMITO THERAPEUTICS INC., KR
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[54] **SYSTEME D'AUGMENTATION DE L'EFFICACITE ENERGETIQUE POUR DES DISPOSITIFS HYDRAULIQUES**
[72] OLVERA DIAZ, LUIS, MX
[72] DE LA PAZ AGUIRRE, JAIME, MX
[71] OLVERA DIAZ, LUIS, MX
[71] DE LA PAZ AGUIRRE, JAIME, MX
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[54] **PROCEDES DE TRAITEMENT DE SUBSTRAT METALLIQUE ET ARTICLES COMPRENANT UNE COUCHE FONCTIONNALISEE PAR PHOSPHONATE**
[72] SCOTT, RYAN N., US
[72] ROBARE, KEVIN M., US
[72] GIOCONDI, JENNIFER L., US
[72] MENEGAZZO, NICOLA, US
[72] WEILER, KELLY M., US
[71] HOWMET AEROSPACE INC., US
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[54] **SOLID FORMS OF FXR AGONISTS**
[54] **FORMES SOLIDES D'AGONISTES DE FXR**
[72] DALTON, DEREK M., US
[72] FUNG, PETER C., US
[72] GRIGGS, NOLAN, US
[72] HEMENWAY, JEFFREY N., US
[72] LAPINA, OLGA V., US
[72] LOGAN, MATTHEW M., US
[72] NEVILLE, SEAN T., US
[72] REYNOLDS, BRYAN J., US
[72] SHIH, HUI-WEN, US
[72] WAGNER, ANNA M., US
[71] GILEAD SCIENCES, INC., US
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[54] **PROCEDE DE SYNTHESE DE COMPOSES DIAMIDE ANTHRANILIQUE ET INTERMEDIAIRES ASSOCIES**
[72] KARRI, PHANEENDRASAI, IN
[72] PABBA, JAGADISH, IN
[72] SHINDE, BHARAT UTTAMRAO, IN
[72] KALWAGHE, AMOL DNYANESHWAR, IN
[72] MADHAVRAO, KAMBLE MARUTI, IN
[72] KLAUSENER, ALEXANDER G.M., DE
[72] PANMAND, DEEPAK SHANKAR, IN
[71] PI INDUSTRIES LTD., IN
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[54] **NECESSAIRE DE PRODUITS DE PLOMBERIE**
[72] NGUYEN, JACK, US
[72] STORM, JUSTIN, US
[72] LAGASSE, MICHAEL, US
[72] ANDERSONSCHOEPE, CORINNE, US
[72] MARTIN, WILLIAM, US
[72] ROBBINS, MIKE, US
[72] MCFARLAND, DAVID, US
[72] PODOLAK, CHRISTOPHER, US
[71] FLUIDMASTER, INC., US
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[54] **GESTION A DISTANCE D'UNE INSTALLATION**
[72] KHANNA, NITIN, US
[71] VIEW, INC., US
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[54] **MICROBES FAVORISANT LA CROISSANCE DE PLANTES, LEURS COMPOSITIONS ET LEURS UTILISATIONS**
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[72] CLARKE, CHRISTINE, US
[72] EMERY, CRYSTAL LYNN, US
[72] KOSTECKI, CAROLINE, US
[72] KUNIN, VICTOR, US
[72] LAFITTE, HONOR RENEE, US
[72] LIDSTROM, ULRIKA, US
[72] LINSHIZ, GREGORY, US
[72] SCHAFFER, JESSICA, US
[72] SHESTAKOVA, NATALIA, US
[72] WOOD, LAWRENCE KENT, US
[71] TAXON BIOSCIENCES INC., US
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[54] **HYDROXYPYRIDOXAZEPINES UTILISEES EN TANT QU'ACTIVATEURS DE NRF2**
[72] ELBAN, MARK, US
[72] GLOGOWSKI, MICHAL PAWEL, US
[72] KOETTING, MICHAEL CLINTON, US
[72] LAWHORN, BRIAN GRIFFIN, US
[72] MATTHEWS, JAY M., US
[72] PATTERSON, JACLYN RENEE, US
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[54] **DISPOSITIF DE DERMO-APLATISSEMENT ET SYSTEME ASSOCIE**
[72] KHUBANI, ANAND, US
[72] STOWERS, DAVID, US
[72] MATARAZZO, HAYLEY, US
[72] LANGBERG, ERIC, US
[72] BRACA, EMIL, US
[72] SZYMANSKI, AARON, US
[71] CHURCH & DWIGHT CO., INC., US
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[71] RATIER-FIGEAC SAS, FR
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[54] **RECEPTEURS DES LYMPHOCYTES T RECONNAISSANT UN GENE MAGE RESTREINT PAR HLA-A1 OU HLA-CW7**
[72] ROBBINS, PAUL F., US
[72] ROSENBERG, STEVEN A., US
[72] ZHU, SHIQUI, US
[72] FELDMAN, STEVEN A., US
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[71] THE NOCO COMPANY, US
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[54] **SYSTEME A CONNECTEURS A IMPEDANCE CONSTANTE**
[72] MATURO, JOHN E., US
[72] BRADLEY, ROBERT M., US
[71] THE PHOENIX COMPANY OF CHICAGO, INC., US
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[72] SCHEUERMANN, DANIELA, DE
[72] KRATTINGER, SIMON, DE
[72] WICKER, THOMAS, DE
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[54] **ENSEMBLE NETTOYAGE D'OS COMPRENANT UNE LAME**
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[72] LYNCH, ROBERT E., US
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[72] BERNERO, JOHN P., US
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[54]
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[72] SHAK, STEVEN, US
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[72] BASSUET, ALBAN, US
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[71] CONSTELLATION PRODUCTIONS, INC., US
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[13] A1
[25] EN
[54] **COMMUNICATION SYSTEM, CONTROL DEVICE, COMMUNICATION TERMINAL, COMMUNICATION DEVICE, AND COMMUNICATION METHOD**
[54] **SYSTEME DE COMMUNICATION, DISPOSITIF DE COMMANDE, TERMINAL DE COMMUNICATION, DISPOSITIF DE COMMUNICATION ET PROCEDE DE COMMUNICATION**
[72] TAMURA, TOSHIYUKI, JP
[71] NEC CORPORATION, JP
[22] 2017-05-02
[41] 2017-11-30
[62] 3,025,677
[30] JP (2016-105254) 2016-05-26

[21] **3,128,595**
[13] A1
[51] **Int.Cl. E21B 47/13 (2012.01) E21B 47/26 (2012.01)**
[25] EN
[54] **AT-SURFACE COMMUNICATION WITH DOWNHOLE TOOLS**
[54] **COMMUNICATION AU NIVEAU DE LA SURFACE AVEC DES OUTILS DE FOND DE TROU**
[72] ROBSON, ROBIN CODY, CA
[72] LOGAN, AARON WILLIAM, CA
[72] WEST, KURTIS KENNETH LEE, CA
[72] BUTERNOWSKY, BARRY DANIEL, CA
[71] EVOLUTION ENGINEERING INC., CA
[22] 2016-04-20
[41] 2016-10-27
[62] 2,982,005
[30] US (62/150,169) 2015-04-20

[21] **3,128,597**
[13] A1
[25] EN
[54] **TOOLBAR WITH HYDRAULIC HEIGHT CONTROL**
[54] **BARRE D`OUTILS AVEC REGLAGE HYDRAULIQUE EN HAUTEUR**
[72] SIVINSKI, JEFFREY ALAN, US
[71] HARVEST INTERNATIONAL, INC., US
[22] 2019-08-19
[41] 2020-02-17
[62] 3,052,494
[30] US (62/765072) 2018-08-17
[30] US (16/543202) 2019-08-16

[21] **3,128,609**
[13] A1
[25] EN
[54] **TRANSMITTER AND METHOD FOR GENERATING ADDITIONAL PARITY THEREOF**
[54] **EMETTEUR, ET PROCEDE DE GENERATION DE PARITE SUPPLEMENTAIRE CORRESPONDANT**
[72] KIM, KYUNG-JOONG, KR
[72] MYUNG, SE-HO, KR
[72] JEONG, HONG-SIL, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2016-02-25
[41] 2016-09-01
[62] 3,057,642
[30] US (62/120,526) 2015-02-25
[30] KR (10-2015-0137178) 2015-09-27

[21] **3,128,611**
[13] A1
[51] **Int.Cl. G01D 5/00 (2006.01)**
[25] EN
[54] **PACKAGING MATERIAL COMPRISING INDICATOR RESPONDING TO AN EXTERNAL STIMULUS**
[54] **MATERIAU D'EMBALLAGE COMPRENANT UN INDICATEUR REPONDANT A UN STIMULUS EXTERNE**
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[72] SCAROLA, LEONARD, US
[72] BLYTH, STUART MACKINTOSH, GB
[72] POITEVIN, PATRICK JULES JOSEPH, GB
[72] WEBER, JEFFREY THOMAS, US
[71] INTERCONTINENTAL GREAT BRANDS LLC, US
[22] 2018-08-13
[41] 2019-02-21
[62] 3,070,454
[30] US (62/545,191) 2017-08-14

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[21] **3,128,629**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR DATA PROCESSING AND ENTERPRISE AI APPLICATIONS**
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[72] ABBO, EDWARD Y., US
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[72] COKER, JOHN, US
[72] KURINSKAS, SCOTT, US
[72] ROTHWEIN, THOMAS, US
[72] TCHANKOTADZE, DAVID, US
[71] C3.AI, INC., US
[22] 2016-03-23
[41] 2016-07-28
[62] 3,001,304
[30] US (62/172,012) 2015-06-05

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[21] **3,128,631**
[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01)**
[25] EN
[54] **HOCKEY FACEOFF TRAINING DEVICE WITH DUAL-PURPOSE SUPPORT POSTS, RETRACTABLE GRIP SPIKES, INLINE SPRING JOINT AND GRIPPING CAVITIES**
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[72] BEAR, CONRAD, CA
[71] BEAR, CONRAD, CA
[22] 2020-09-21
[41] 2020-11-24
[62] 3,093,689

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[21] **3,129,202**
[13] A1
[51] **Int.Cl. A61G 7/05 (2006.01) A61G 7/002 (2006.01) A61G 7/012 (2006.01) A61G 7/015 (2006.01)**
[25] EN
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[22] 2014-09-08
[41] 2015-03-12
[62] 2,923,210
[30] US (61/874,959) 2013-09-06

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