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**The Patent  
Office  
Record**

**La Gazette  
du Bureau  
des brevets**

Vol. 129, No. 45 November 6, 2001

Vol. 129, N° 45 le 6 novembre 2001

**Canada**



# THE PATENT OFFICE RECORD

## LA GAZETTE DU BUREAU DES BREVETS

David Tobin  
Commissioner of Patents

David Tobin  
Commissaire aux brevets

The Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Hull, Canada, to whom all communications other than those concerning subscriptions or requests for single copies should be addressed.

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La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Hull, Canada, à qui doit être adressée toute correspondance autre que les abonnements ou les commandes d'exemplaires séparés.

Le Bureau des brevets ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

### Important Notice to Subscribers

Since the issue of November 2, 1999, Public Works & Government Services Canada (PWGSC) is no longer managing subscriptions to the *Patent Office Record* (POR). PWGSC will provide subscribers with a credit and/or refund for the unused portion of their subscription.

The POR has been made available, free of charge, on CIPO's website at [cipo.gc.ca](http://cipo.gc.ca) or [strategis.ic.gc.ca/patents/record](http://strategis.ic.gc.ca/patents/record) since April 1999. Statistics show that many of our clients are making use of this electronic version. Improvements to the electronic format to facilitate speed of download have been implemented. Users now have the choice of downloading the complete document or each section individually. Current editions are posted weekly on Tuesdays and an archive of past editions dating from April 1999 is available as well.

In order to prevent disruption of service to those clients who still require printed copies, CIPO will, on request, print copies for distribution to current subscribers, free of charge until further notice, after which copies will be available for a fee.

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### Avis important aux abonnés

Veillez noter qu'à compter du numéro daté du 2 novembre 1999, Travaux publics et Services gouvernementaux Canada (TPSGC) a cessé de gérer les abonnements à la *Gazette du Bureau des brevets* (GBB). TPSGC remboursera les abonnés ou leur offrira un crédit pour les numéros non reçus.

Depuis avril 1999, on peut consulter ou télécharger la Gazette, sans frais, à partir du site Web de l'OPIC : [opic.gc.ca](http://opic.gc.ca) ou [strategis.ic.gc.ca/brevets/gazette](http://strategis.ic.gc.ca/brevets/gazette). D'après nos statistiques de nombreux clients utilisent la version électronique. Nous avons récemment modifié le format électronique de la Gazette afin d'améliorer la vitesse de téléchargement. Les utilisateurs ont désormais le choix entre télécharger le document en entier ou des sections individuelles. Les éditions courantes sont publiées tous les mardis et les numéros antérieurs (d'avril 1999 jusqu'à maintenant) sont aussi disponibles.

Dans le but d'éviter toute interruption de service aux clients qui désirent obtenir des exemplaires sur support papier, l'OPIC imprimera, sur demande, un certain nombre de copies. Ce service sera disponible gratuitement jusqu'à nouvel ordre, après quoi des frais s'appliqueront.

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Courriel : [cipo.contact@ic.gc.ca](mailto:cipo.contact@ic.gc.ca)

Téléphone : (819) 997-1936 (de 8h à 16h45 HNE)

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# Table of Contents

## Table des matières

Notices	
Avis .....	1
Canadian Patents Issued	
Brevets canadiens délivrés .....	7
Canadian Laid-Open Applications	
Demandes canadiennes mises à la disponibilité du public .....	21
PCT Applications Entering the National Phase	
Demandes PCT entrant en phase nationale .....	51
Canadian Divisional and Previously Unavailable Laid-Open applications	
Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant .....	69
Index of Canadian Patents Issued	
Index des brevets canadiens délivrés .....	71
Index of Canadian Laid-Open Applications	
Index des demandes canadiennes mises à la disponibilité du public .....	75
Index of PCT Applications Entering the National Phase	
Index des demandes PCT entrant en phase nationale .....	81
Index of Canadian Divisional and Previously Unavailable Laid-Open applications	
Index des Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant .....	85

## 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
  
- [43] - Date of publication by printing or similar process of an unexamined document on which no grant has taken place on or before the said date
  
- [45] - Date of Issue
- [48] - Reissue Grant Date
- [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 en-têtes 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 en-têtes des brevets sont des codes INID. Le sigle "INID" signifie "Identification numérique internationale des données bibliographiques". Ces codes sont utilisés pour l'identification 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
  
- [43] - Date de publication, par impression ou par un procédé similaire, d'un document non examiné, n'ayant encore donné lieu à la délivrance d'aucun titre à la date en question ou avant
  
- [45] - Date de délivrance
- [48] - Date de redélivrance
- [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] - Noms(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

A complete list of country codes has been published in the issue of October 24, 2000 and will be published twice a year in the last issues of April and October.

## 3. Canadian Class Titles

A numerical index of the Canadian classification titles will be published in the first issue of January each year.

Anyone desirous of ascertaining what classes are directed to subject matter in which he/she has a particular interest may write to the Patent Office for such information. Related subject matter sometimes appears in different classes and could be missed by those not fully familiar with the classification system. It is also possible to obtain on request an alphabetical listing of subject matter titles for the various classes by writing to the Commissioner of Patents, Ottawa-Hull, Canada K1A 0C9.

## 4. Class Schedules and Definitions

A schedule (list of subclasses in a class) for any class listed on these pages may be purchased by writing to the Commissioner of Patents, Ottawa-Hull, Canada K1A 0C9. Definitions of the type of subject matter found in any class or subclass may be purchased for most of the classes. The cost of these individual schedules and definitions is 50¢ per page reproduced by the Patent Office.

## 5. How to Purchase Paper Copies of Canadian Patents and Canadian Laid-Open Applications

Paper copies of Canadian Patents numbers 1 to 445,930 can be purchased at a cost of four dollars (\$4) per copy by visiting our web site at [www.strategis.ic.gc.ca/patentsorder](http://www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Hull, K1A 0C9.

Paper copies of all other Canadian Patents and Canadian Laid-Open Applications may be purchased at the cost of \$.50 per page by visiting [www.strategis.ic.gc.ca/patentsorder](http://www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Hull, K1A 0C9.

## 2. Code des pays

Une liste complète des codes de pays a été publiée dans le numéro du 24 octobre 2000 et sera republiée deux fois par année dans le dernier numéro des mois de avril et d'octobre.

## 3. Liste des classes canadiennes

Un index numérique des titres de la classification canadienne sera publié dans le premier numéro de janvier, à chaque année.

Toute personne désirant savoir dans quelles classes sont classifiés les sujets auxquels il/elle porte un intérêt particulier peut se renseigner en écrivant au Bureau des brevets. Des sujets connexes peuvent parfois figurer dans des classes différentes et une personne qui ne serait pas complètement familière avec le système de classification pourrait omettre les classes. On peut également obtenir une liste alphabétique des titres des objets classifiés dans les différentes classes en écrivant au Commissaire aux brevets, Ottawa-Hull, Canada K1A 0C9.

## 4. Listes et définitions des classes

Il est possible d'acheter les listes des sous-classes pour chacune des classes énumérées dans ces pages en écrivant au Commissaire aux brevets, Ottawa-Hull, Canada K1A 0C9. Des définitions selon les sujets se trouvant dans chaque classe ou sous-classe peuvent aussi être achetées pour la plupart des classes. Les prix de ces listes et définitions individuelles est de 0,50 \$ par page reproduite par le Bureau des brevets.

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

Les copies sur papier des brevets canadiens, numéros 1 à 445,930, sont disponibles au coût de quatre dollars (4 \$) par copie, en visitant notre site web à l'adresse suivante [www.strategis.ic.gc.ca/brevetscommande](http://www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Hull, K1A 0C9.

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 0.50\$ par page en visitant notre site web au [www.strategis.ic.gc.ca/brevetscommande](http://www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Hull, K1A 0C9.

## Notices

### 6. 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 .50\$ per page from the Patent Office.

### 7. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit on request from the Commissioner of Patents, Ottawa-Hull, 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 on request.

### 8. 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-Hull, 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.

### 9. Patents Available for Licence or Sale

An asterisk (\*) placed beside any patent listed in this issue of the 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 10 of these notices.

### 6. 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 expirés, peuvent être commandées auprès du Bureau des brevets au prix de 0,50 \$ la page.

### 7. 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-Hull, 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.

### 8. 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-Hull, 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.

### 9. 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. 10 des présents avis.

## Avis

### **10. List of Patents Available for Licence or Sale**

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

### **11. Laid-Open Applications**

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.

### **12. 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. 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.

### **11. Demandes mises à la disponibilité du public**

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposées au Bureau des brevets depuis le 1<sup>er</sup> 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.

### **12. Langue du document publié**

Toute personne intéressée d'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.

## Notices

### 13. Patent Cooperation Treaty (PCT)

#### SCHEDULE OF FEES APPLICABLE AS OF SEPTEMBER 1, 2001

FEES	AMOUNTS \$
1. <b>Transmittal Fee:</b> (Rule 14)	200.00
2*. <b>Basic Fee:</b>	562.00
Amount for each additional sheet over 30	13.00
3. <b>Designation Fee:</b> (Rule 15.2(a))	121.00
The maximum that can be charged for the Designation Fee is \$726.00; therefore, if more than 6 countries are designated the fee remains \$726.00	

4. **International Search Fee** 1,232.00  
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 Officer). If the International Application does not contain a priority claim, the Designation Fee is due within one year from the International Filing Date. These fees are to be paid in Canadian dollars and made payable to the Receiver General of 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 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.

5. **Late Payment Fee** 50% of the fees that are due, or,  
Minimum: Transmittal Fee  
Maximum: Basic Fee

#### Preliminary Examination

6. **Handling Fee:** 287.51 Deutsche Marks  
(Rule 57.2(a)) 147 Euro Dollars

7. **Preliminary Examination Fee:** 2,998.29 Deutsche Marks  
(Rule 58) 1,533 Euro Dollars

The Preliminary Examination Fees are paid in Deutsche Marks or Euro Dollars. They should be paid directly to the European Patent Office in Munich but may now be filed in the Canadian Receiving Office. Please note that the European Patent Office will NOT consider the fees as being received until they reach Europe. It is preferable to fax both the demand and a copy of the bank draft to the EPO at 011-4989-2399-4465.

\* International fees will be reduced by \$173.00 for all applications filed using PCT-Easy.

### 13. Traité de coopération en matière de brevets (PCT)

#### BARÈME DE TAXES À PARTIR DU 01 SEPTEMBRE 2001

TAXES	MONTANTS \$
1. <b>Taxe de transmission:</b> (Règle 14)	200,00
2*. <b>Taxe de base:</b>	562,00
Montant pour chaque feuille au delà de 30	13,00
3. <b>Taxe de désignation</b> (par pays) (Règle 15.2(a))	121,00
Le maximum payable pour la taxe de désignation est de 726,00 \$; donc, si plus que 6 pays sont désignés, la taxe demeure 726,00 \$.	

4. **Taxe de recherche internationale** 1 232,00  
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 du dépôt de la demande (soit la date de réception de la demande internationale). Si la demande ne contient pas de revendication de priorité, la taxe de désignation est due dans un délai d'un an à compter de la date du dépôt de la demande internationale. Les taxes doivent être payées en dollars canadien et sont payables au Receveur Générale du Canada.

Si l'office récepteur constate que le déposant ne lui a payé aucune taxe, il invite le déposant à lui payer, dans un délai d'un mois à compter de la date de l'invitation, le montant nécessaire pour couvrir ces taxes, majoré, le cas échéant, de la taxe pour paiement tardif visée à la règle 16bis.2.

5. **Taxe pour paiement tardif** 50% du montant impayé, ou,  
Minimum: taxe de transmission  
Maximum: taxe de base

#### Examen préliminaire

6. **Taxe de traitement:** 287.51 marks allemands  
(Règle 57.2(a)) 147 dollars euro

7. **Taxe d'examen préliminaire:** 2 998,29 marks allemands  
(Règle 58) 1 533 dollars euro

Les taxes d'examen préliminaire Deutsche Marks ou en Euro Dollars. Elles doivent être payées à l'Office européen des brevets mais peuvent être payées à l'Office récepteur du Canada. Veuillez noter que l'Office européen NE considérera PAS les honoraires comme étant reçu jusqu'à ce qu'ils atteignent l'Europe. Il est préférable d'envoyer la demande et une copie par fax de la traite bancaire au 011-4889-2399-4465.

\*Les frais seront réduits par 173,00 \$ pour toutes les demandes déposées en utilisant PCT-Easy.



## Avis

### 14. PCT Notices

#### PCT Signature Requirements

Please note that in conformity with the PCT requirements, the European Patent Office (EPO) requires that the signature identifies a physical person (whose name should be typewritten below the signature); where the person signs on behalf of a legal entity, the capacity should also be indicated (typewritten). (See PCT -Applicant's Guide, <http://www.wipo.int>).

#### Patent Cooperation Treaty (PCT)

Copies of the Patent Cooperation Treaty Applicants Guide and the Patent Cooperation Treaty & Regulations are available from WIPO 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 -World Intellectual Property Organization 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 at [publications.mail@wipo.int](mailto:publications.mail@wipo.int) or visit their website at <http://www.wipo.int>.

#### **New Member State**

On 10 December 2001, **Tunisia** (country code: **TN**) will become the 115th contracting State of the PCT at both the Chapter I and II levels.

On 15 November 2001, **Zambia** (country code: **ZM**) will become the 114th contracting State of the PCT at both the Chapter I and II levels. Zambia may also be designated for a Regional Patent under AP.

On 26 October 2001, **Oman** (country code: **OM**) will become the 113th contracting State of the PCT at both the Chapter I and II levels.

### 15. Canadian Laid-Open Applications

The Patent Office Record of November 6, 2001 contains laid-open applications from October 14, 2001 - October 23, 2001.

### 14. Avis PCT

#### Exigences des signatures du PCT

Veillez noter que conformément aux exigences du PCT, l'Office européen des brevets (OEB) réclame que la signature identifie une personne physique dont le nom dactylographié devrait apparaître au-dessous de la signature. Lorsque telle personne signe au nom d'une personne morale, il convient d'indiquer, également en caractères dactylographiques, la qualité du signataire. (Voir le Guide du déposant - PCT, <http://www.wipo.int>).

#### Traité de Coopération en matière de brevets (PCT)

Des copies du Guide du déposant - PCT ainsi que du Traité et des Règlements sont disponibles auprès de l'OMPI 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 - Organisation mondiale de la propriété intellectuelle 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 à [publications.mail@wipo.int](mailto:publications.mail@wipo.int) ou visiter leur site web à <http://www.wipo.int>.

#### **Nouveau État Membre**

Le 10 décembre 2001, **Tunisie** (code du pays: **TN**) deviendra le 115ème pays membre des États contractants du PCT au niveau des Chapitres I et II.

Le 15 novembre 2001, **Zambie** (code du pays: **ZM**) deviendra le 114ème pays membre des États contractants du PCT au niveau des Chapitres I et II. Zambie peut être désigné aussi comme un brevet régionale sous AP.

Le 26 octobre 2001, **Oman** (code du pays: **OM**) deviendra le 113ème pays membre des États contractants du PCT au niveau des Chapitres I et II.

### 15. Demandes Canadiennes mises à la disponibilité du public

Ce numéro de la Gazette des brevets du Canada contient les demandes disponibles au public pour consultation pour la période du 14 octobre 2001 - 23 octobre 2001.

# Canadian Patents Issued

November 6, 2001

## Brevets canadiens délivrés

6 novembre 2001

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[11] **1,341,314**  
[13] C

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[25] EN  
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D'HYDROCARBURES  
PARAFFINEQUES HUILEUX  
ADDITIONNEE D'EXTRAITS DE  
LECITHINE ET PROCEDE DE  
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[13] C

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[54] **INSTALLATION D'ECLAIRAGE D'URGENCE DISTINCTE, AVEC ALARMES D'INCENDIE, DE PRESENCE DE GAZ TOXIQUES DE POLLUTION ET D'AUTRES ELEMENTS ANALOGUES**  
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[72] Nipp, Hansjorg, LI  
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[13] C

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[13] C

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[54] **METHOD AND APPARATUS FOR DISPLAYING MULTI-FREQUENCY BIO-IMPEDANCE**  
[54] **METHODE ET APPAREIL D’AFFICHAGE DE BIO-IMPEDANCES VARIABLES AVEC LA FREQUENCE**  
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[13] C

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[54] **PROCEDE DE FABRICATION ENZYMATIQUE D’ALPHA.-GLUCOSIDES ET D’ESTERS D’ALPHA.-GLUCOSIDES, ET UTILISATIONS DES PRODUITS AINSI OBTENUS**  
[54] **METHOD FOR THE ENZYMATIC PRODUCTION OF .ALPHA.-GLYCOSIDES AND ESTERS OF .ALPHA.-GLYCOSIDES, AND UTILIZATION OF THE PRODUCTS THEREBY OBTAINED**  
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[72] Ohta, Tokuya, JP  
[72] Takatori, Yasushi, JP  
[72] Sugama, Sadayuki, JP  
[72] Hirabayashi, Hiromitsu, JP  
[72] Akiyama, Yuji, JP  
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[13] C

[51] **Int.Cl. 6A61K 7/075 6C10G 25/00**  
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[51] **Int.Cl. 6C03B 3/00 6C03B 3/02 6C03B 5/235**  
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[54] **METHOD AND DEVICE FOR THE PRODUCTION OF MINERAL WOOL BY USING MINERAL WOOL WASTE AS A RECYCLED STARTING MATERIAL**  
[54] **METHODE ET DISPOSITIF POUR LA FABRICATION D'HUILE MINERALE A PARTIR DE RESIDUS DE LAINE MINERALE UTILISES COMME MATIERE PREMIERE RECYCLEE**  
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[51] **Int.Cl. 6B01D 36/00 6B01D 61/14**  
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[54] **METHOD FOR RECOVERING PARTICULATE AND SCAVENGING FORMALDEHYDE**  
[54] **METHODE POUR RECUPERER LES PARTICULES ET ELIMINER LE FORMALDEHYDE**  
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[72] Sorenson, Blaine F., US  
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[51] **Int.Cl. 6H04N 5/45**  
[25] EN  
[54] **PICTURE-IN-PICTURE TV WITH INSERTION OF A MEAN ONLY FRAME INTO A FULL SIZE FRAME**  
[54] **TELEVISEUR A INCRUSTATION D'IMAGES A INSERTION D'IMAGES MOYENNEES DANS L'IMAGE DE DIMENSIONS REGULIERES**  
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[51] **Int.Cl. 6F16G 11/02**  
[25] EN  
[54] **PIPE AND CABLE CLAMP WITH BASE PART AND RECEIVING STRAP (I)**  
[54] **ATTACHE POUR CABLE ET TUYAU CONSTITUEE D'UN ELEMENT DE BASE ET D'UNE COURROIE DE FIXATION**  
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[72] Frowis, Markus, AT  
[72] Guillon, Luc, CH  
[73] HILTI Aktiengesellschaft, LI  
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[51] **Int.Cl. 6F16G 11/02**  
[25] EN  
[54] **PIPE AND CABLE CLAMP WITH BASE PART AND RECEIVING STRAP (II)**  
[54] **ATTACHE POUR CABLE ET TUYAU CONSTITUEE D'UN ELEMENT DE BASE ET D'UNE COURROIE DE FIXATION**  
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[51] **Int.Cl. 6A61F 13/46**  
[25] EN  
[54] **DISPOSABLE ABSORBENT PRODUCT WITH SECONDARY LIQUID-CONTAINMENT STRUCTURE**  
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[73] JOHNSON & JOHNSON INC., CA  
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[54] **SYSTEME DE RETENUE REGLABLE POUR COMPARTIMENTS DE MACHINE DISTRIBUTRICE**  
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[73] ROYAL VENDORS, INC., US  
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[51] **Int.Cl. 6C10M 137/08**  
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[25] EN  
[54] **METHOD AND APPARATUS FOR**  
**DETERMINING CHARACTERISTICS**  
**OF FLUID FLOW**  
[54] **METHODE ET APPAREIL**  
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**TRANSMISSION METHOD AND**  
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[25] EN  
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[72] Campbell, Jeffrey Allen, US  
[72] Castelhana, Arlindo Lucas, US  
[72] Hendricks, Robert Than, US  
[72] Sarma, Keshab, US  
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[25] EN  
[54] **METHOD OF MANUFACTURING**  
**AN ILLUMINATING REFLECTION**  
**MIRROR**  
[54] **METHODE DE FABRICATION**  
**D'UN MIROIR REFLECHISSANT**  
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[73] EQUESTRIAN CO., LTD., JP  
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[25] EN  
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[54] MUR DE RETENUE MACONNE SANS MORTIER A RENFORCEMENT LATERAL ET LONGITUDINAL AMELIORE EN CONFIGURATIONS VERTICALE, INCLINEE VERS L'ARRIERE OU INCLINEE VERS L'AVANT, REALISE EN TOUT OU EN PARTIE A L'AIDE DE BLOCS STANDARD IDENTIQUES  
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[13] C

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[11] 2,208,452  
[13] C

[51] Int.Cl. 6G01F 1/84  
[25] EN  
[54] METHOD AND APPARATUS FOR ADAPTIVE LINE ENHANCEMENT IN CORIOLIS MASS FLOW METER MEASUREMENT  
[54] PROCEDE ET APPAREIL POUR AMELIORER, DE MANIERE ADAPTATIVE LA PRECISION DES MESURES D'UN DEBITMETRE MASSIQUE A FORCE DE CORIOLIS  
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[11] 2,208,910  
[13] C

[51] Int.Cl. 6H01H 71/14 6H02H 5/04 6H02H 7/08  
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[54] SYSTEME DE PROTECTION THERMIQUE POUR MOTEURS ELECTRIQUES  
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[13] C

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[11] 2,209,970  
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[13] C

[51] **Int.Cl. 6B65B 51/10 6B65B 51/00  
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[25] EN  
[54] **METHOD OF CLOSING TUBULAR  
BAGS FOR FRUIT AND VEGETABLE  
PRODUCTS**  
[54] **METHODE DE FERMETURE DE  
SACS TUBULAIRES POUR FRUITS ET  
LEGUMES**  
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[11] **2,210,826**  
[13] C

[51] **Int.Cl. 6G10L 9/04**  
[25] EN  
[54] **METHOD OF TRANSFORMING  
PERIODIC SIGNAL USING  
SMOOTHED SPECTROGRAM,  
METHOD OF TRANSFORMING SOUND  
USING PHASING COMPONENT AND  
METHOD OF ANALYZING SIGNAL  
USING OPTIMUM INTERPOLATION  
FUNCTION**  
[54] **METHODE DE  
TRANSFORMATION DE SIGNAUX  
PERIODIQUES AU MOYEN D'UN  
SPECTROGRAMME LISSE, METHODE  
DE TRANSFORMATION DES SONS  
UTILISANT UNE COMPOSANTE DE  
MISE EN PHASE ET METHODE  
D'ANALYSE DE SIGNAUX UTILISANT  
UNE FONCTION D'INTERPOLATION  
OPTIMALE**  
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[11] **2,212,325**  
[13] C

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[25] EN  
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LIGATING DEVICE**  
[54] **DISPOSITIF DE SUTURE ET DE  
LIGATURE AUTOMATIQUE**  
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[85] 1997-08-05  
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[87] (WO96/25109)

[11] **2,212,449**  
[13] C

[51] **Int.Cl. 6C07D 211/78 6C07D 405/12**  
[25] EN  
[54] **IMPROVED PREPARATION OF  
1,2,5,6-TETRAHYDRO-3-  
CARBOALKOXYPYRIDINES SUCH AS  
ARECOLINE AND SALTS OF 1,2,5,6-  
TETRAHYDRO-3-  
CARBOALKOXYPYRIDINES AND  
ARECOLINE HYDROBROMIDE**  
[54] **PREPARATION AMELIOREE DE  
1,2,5,6-TETRAHYDRO-3-  
CARBOALCOXYPYRIDINES COMME  
L'ARECOLINE ET DE SELS DE 1,2,5,6-  
TETRAHYDRO-3-  
CARBOALCOXYPYRIDINES ET  
D'HYDROBROMURE D'ARECOLINE**  
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[51] **Int.Cl. 6C08L 95/00**  
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[73] Westvaco Corporation, US  
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[13] C

[51] **Int.Cl. 6C07H 19/06 6C07H 21/00  
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[25] EN  
[54] **IMPROVED PROCESS FOR THE  
SYNTHESIS OF 2'-O-SUBSTITUTED  
PYRIMIDINES AND OLIGOMERIC  
COMPOUNDS THEREFROM**  
[54] **PROCEDE AMELIORE POUR LA  
SYNTHESE DES PYRIMIDINES A  
SUBSTITUTION 2'-O ET DE LEURS  
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[72] GRIFFEY, Rich H., US  
[72] ROSS, Bruce S., US  
[72] SANGHVI, Yogesh S., US  
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[11] **2,215,276**  
[13] C

[51] **Int.Cl. 6F02C 9/28 6F02C 9/00 6F23N  
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[25] EN  
[54] **METHOD AND APPARATUS FOR  
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[54] **PROCEDE ET APPAREIL  
PERMETTANT DE DETECTER LES  
RUPTURES DANS UN BVRULEUR**  
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[72] ST. ONGE, Kenneth John, US  
[72] LUCENKO, Michael, US  
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[30] US (404,474) 1995-03-14

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[25] EN  
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[54] METABOLITES DE SAPONINES DU GINSENG PRODUITS PAR LES BACTERIES INTESTINALES CHEZ L'HOMME, ET LEUR APPLICATION A LA PREPARATION D'UN MEDICAMENT ANTICANCEREUX  
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[72] HUH, Jae Doo, KR  
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[87] (WO97/31013)  
[30] KR (1996/4217) 1996-02-22

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[13] C

[51] Int.Cl. 6F16H 48/24  
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[73] OWENS-ILLINOIS CLOSURE INC., US  
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[54] **METHODE ET APPAREIL POUR FUSIONNER LES BASES DE DONNES DE CENTRES DE COMMUTATION TELEPHONIQUE**  
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[73] MOTOROLA, INC., US  
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[54] **METHODE ET DISPOSITIF DE TRAITEMENT NUMERIQUE DE SIGNAUX D'AUGMENTATION DE TELEVISION A HAUTE DEFINITION**  
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[54] **METHODE ET MATERIEL POUR DISCRIMINER ENTRE BILLETS DE BANQUE**  
[72] STROMME, LARS R., US  
[72] BAUCH, AARON M., US  
[72] SCHREITER, HEINZ W., US  
[72] MUNRO, MARK C., US  
[72] RATERMAN, DONALD E., US  
[72] JONES, JOHN E., US  
[72] JONES, WILLIAM J., US  
[72] CSULITS, FRANK M., US  
[72] GRAVES, BRADFORD T., US  
[72] MENNIE, DOUGLAS U., US  
[72] MAZUR, RICHARD A., US  
[73] CUMMINS-ALLISON CORPORATION, US  
[22] 1995-03-08  
[62] 2,184,807  
[30] US (08/207,592) 1994-03-08  
[30] US (08/219,093) 1994-03-29  
[30] US (08/226,660) 1994-04-12  
[30] US (08/243,807) 1994-05-16  
[30] US (08/287,882) 1994-08-09  
[30] US (08/317,349) 1994-10-04  
[30] US (08/340,031) 1994-11-14  
[30] US (08/362,848) 1994-12-22  
[30] US (08/394,752) 1995-02-27  
[30] US (08/399,854) 1995-03-07

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[11] **2,330,524**  
[13] C  
[51] **Int.Cl. 7H01M 10/48 7H01M 2/02 7H01M 6/50**  
[25] EN  
[54] **BATTERY WITH TESTER LABEL AND METHOD FOR PRODUCING IT**  
[54] **BATTERIE A VIGNETTE DE TEST ET SA METHODE DE FABRICATION**  
[72] ANDERSON, JEFFREY L., US  
[72] WEISS, VICTOR H., US  
[73] MORGAN ADHESIVES COMPANY, US  
[22] 1994-05-03  
[62] 2,122,748  
[30] US (08/056,158) 1993-05-03

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October 14, 2001 - October 23, 2001

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14 octobre 2001 - 23 octobre 2001

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[21] **2,303,417**  
[13] A1  
[51] Int.Cl. 7A45F 4/02 7A45F 5/00 7A47K 10/02  
[25] EN  
[54] SAND SECRETS  
[54] SERVIETTE DE PLAGE MUNIE DE POCHESS DISSIMULEESS  
[72] DIMITRI, RICHARD, CA  
[72] STRANZL, HELEN, CA  
[71] DIMITRI, RICHARD, CA  
[71] STRANZL, HELEN, CA  
[22] 2000-04-17  
[43] 2001-10-17

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[21] **2,303,565**  
[13] A1  
[51] Int.Cl. 7G11C 7/10 7G06F 13/00  
[25] EN  
[54] MULTI-INTERFACE MEMORY CARD AND ADAPTER MODULE FOR THE SAME  
[54] CARTE MEMOIRE MULTI-INTERFACE ET MODULE ADAPTATEUR CONNEXE  
[72] YAO, LI-HO, TW  
[71] YAO, LI-HO, TW  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,304,123**  
[13] A1  
[51] Int.Cl. 7C12N 7/00 7A01N 63/00 7A61P 31/04 7A61K 35/74  
[25] EN  
[54] ANTIBACTERIAL THERAPY FOR MULTI-DRUG RESISTANT BACTERIA  
[54] TRAITEMENT CONTRE LES BACTERIES RESISTANTES AUX ANTIBIOTIQUES  
[72] MCGEER, ALLISON, CA  
[72] WILLEY, BARBARA M., CA  
[72] KELLY, MAX, CA  
[71] MOUNT SINAI HOSPITAL, CA  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,304,494**  
[13] A1  
[51] Int.Cl. 7C12N 15/12 7A61K 48/00 7C12Q 1/00 7A61K 45/06 7C12N 5/10 7C12N 5/12 7A61K 38/17 7C07K 16/18 7C07K 14/47 7C12N 15/66 7A61K 31/7052  
[25] EN  
[54] A NOVEL HETEROMULTIMERIC ION CHANNEL RECEPTOR AND USES THEREOF  
[54] NOUVEAU RECEPTEUR DE CANAL IONIQUE HETEROMULTIMERIQUE ET UTILISATIONS DE CE RECEPTEUR  
[72] SEGUELA, PHILIPPE, CA  
[72] BABINSKI, KAZIMEIRZ, CA  
[71] MCGILL UNIVERSITY, CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,304,738**  
[13] A1  
[51] Int.Cl. 7B60R 21/055  
[25] FR  
[54] PROTEGE TETE, SUR 360 DEGRES, POUR AUTOMOBILISTES  
[54] 360-DEGREE HEAD PROTECTOR FOR MOTORISTS  
[72] ROBITAILLE, JEAN-PIERRE, CA  
[71] ROBITAILLE, JEAN-PIERRE, CA  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,304,921**  
[13] A1  
[51] Int.Cl. 7G08B 21/02 7G09B 19/00  
[25] EN  
[54] PERIPHERAL VISION TUTOR  
[54] MONITEUR DE VISION PERIPHERIQUE  
[72] WATKINSON, LARRY JAMES, CA  
[71] WATKINSON, LARRY JAMES, CA  
[22] 2000-04-18  
[43] 2001-10-18

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[21] **2,305,038**  
[13] A1  
[51] Int.Cl. 7G06T 9/00 7H04L 29/12  
[25] EN  
[54] WEB PAGE ILLUSTRATION CREATION METHOD  
[54] METHODE DE CREATION D'ILLUSTRATIONS POUR PAGES WEB  
[72] ISSINSKI, ANTON I., CA  
[71] UNIPORT CORPORATION, CA  
[22] 2000-04-17  
[43] 2001-10-17

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[21] **2,305,105**  
[13] A1  
[51] Int.Cl. 7E05D 7/00  
[25] EN  
[54] 2-4-8 POINT HINGE SYSTEM  
[54] DISPOSITIF D'ARTICULATION A 2-4-8 TEMPS  
[72] MATTIUSS, LOU BRIAN, CA  
[71] MATTIUSS, LOU BRIAN, CA  
[22] 2000-04-17  
[43] 2001-10-17

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[21] **2,305,110**  
[13] A1  
[51] Int.Cl. 7A47K 10/42  
[25] EN  
[54] DUAL TOILET PAPER DISPENSING DEVICE  
[54] DISTRIBUTEUR DE PAPIER DE TOILETTE A DEUX ROULEAUX  
[72] SUNATORI, GO SIMON, CA  
[71] SUNATORI, GO SIMON, CA  
[22] 2000-04-18  
[43] 2001-10-18



Canadian Laid-Open Applications  
October 14, 2001 - October 23, 2001

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[21] **2,305,126**  
[13] A1  
[51] **Int.Cl. 7E06B 9/386 7B44F 9/02**  
**7B27N 3/04**  
[25] EN  
[54] **BLIND SLAT HAVING IMITATION WOOD GRAIN AND METHOD FOR MAKING SAME**  
[54] **LAMELLES DE STORE IMITANT LE FIL DU BOIS AINSI QUE METHODE DE FABRICATION DE CES LAMELLES**  
[72] HUANG, CHIEN-MING, TW  
[72] HSIAO, YAO-KUEI, TW  
[72] LIN, CHIH-CHING, TW  
[72] KUAN, JENN-FONG, TW  
[72] WU, YI-FAN, TW  
[72] SHEN, HSIAO-FU, TW  
[71] PLASTICS INDUSTRY DEVELOPMENT CENTER, TW  
[71] NIEN MADE ENTERPRISE CO., LTD., TW  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,305,127**  
[13] A1  
[51] **Int.Cl. 7A63F 9/10**  
[25] EN  
[54] **PUZZLE PIECE GAME BOARD**  
[54] **PLANCHETTE DE JEU CONSTITUEE DE PIECES DE CASSE-TETE**  
[72] BARBER, DEREK G., CA  
[71] BARBER, DEREK G., CA  
[22] 2000-04-17  
[43] 2001-10-17

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[21] **2,305,128**  
[13] A1  
[51] **Int.Cl. 7A47G 25/06**  
[25] EN  
[54] **CHILD SAFE COAT HOOK**  
[54] **PATERE SECURITAIRE POUR ENFANTS**  
[72] LOLLI, ANGELO ANTONIO, CA  
[71] LOLLI, ANGELO ANTONIO, CA  
[22] 2000-04-17  
[43] 2001-10-17

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[21] **2,305,159**  
[13] A1  
[51] **Int.Cl. 7E04D 13/076**  
[25] EN  
[54] **RAIN GUTTER TRASH GUARD**  
[54] **BLOQUE-DEBRIS POUR GOUTTIERE**  
[72] MURDOCK, RANDOLPH S., CA  
[72] NEUMANN, HORST, CA  
[72] MURDOCK, LINDA, CA  
[71] MURDOCK, RANDOLPH S., CA  
[71] NEUMANN, HORST, CA  
[71] MURDOCK, LINDA, CA  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,305,249**  
[13] A1  
[51] **Int.Cl. 7H04L 12/16 7H04L 12/22**  
**7H04L 9/32 7G06F 17/60**  
[25] EN  
[54] **VIRTUAL SAFE**  
[54] **COFFRE-FORT VIRTUEL**  
[72] SARCANIN, BRANKO, CA  
[71] SARCANIN, BRANKO, CA  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,305,477**  
[13] A1  
[51] **Int.Cl. 7G01R 31/265**  
[25] EN  
[54] **NON-CONTACT PHOTOTHERMAL RADIOMETRIC METROLOGIES AND INSTRUMENTATION FOR CHARACTERIZATION OF SEMICONDUCTOR WAFERS, DEVICES AND NON ELECTRONIC MATERIALS**  
[54] **INSTRUMENTATION ET METHODE DE METROLOGIE RADIOMETRIQUE PHOTOTHERMIQUE SANS CONTACT POUR LA CARACTERISATION DE PLAQUETTES ET DE DISPOSITIFS A SEMICONDUCTEURS ET DE MATERIAUX NON ELECTRONIQUES**  
[72] MANDELIS, ANDREAS, CA  
[72] RODRIGUEZ, MARIO, MX  
[72] NICOLAIDES, LENA, CA  
[72] GARCIA, JOSE A., CA  
[72] PAOLONI, STEFANO, IT  
[71] MANDELIS, ANDREAS, CA  
[71] RODRIGUEZ, MARIO, MX  
[71] NICOLAIDES, LENA, CA  
[71] GARCIA, JOSE A., CA  
[71] PAOLONI, STEFANO, IT  
[22] 2000-04-17  
[43] 2001-10-17

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[21] **2,305,480**  
[13] A1  
[51] **Int.Cl. 7G07G 1/14**  
[25] EN  
[54] **CHECKOUT-AS-YOU-SHOP**  
[54] **MAGASINEZ ET EMPORTEZ SANS ATTENDRE POUR PAYER**  
[72] BARDHAN, BIBHUTI BHUSAN, CA  
[71] BARDHAN, BIBHUTI BHUSAN, CA  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,305,481**  
[13] A1  
[51] **Int.Cl. 7B02C 17/22**  
[25] EN  
[54] **SELF-FASTENED BALL MILL LINER**  
[54] **BLINDAGE SANS ATTACHE POUR BROYEUR A BOULETS**  
[72] LU, ZAI MING, CA  
[72] CHEN, CHANG SHUN, CN  
[71] LU, ZAI MING, CA  
[71] CHEN, CHANG SHUN, CN  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,305,482**  
[13] A1  
[51] **Int.Cl. 7B65H 59/00 7H02G 7/02**  
**7B65H 59/04**  
[25] EN  
[54] **AUTOMATIC CABLE TENSION CONTROL SYSTEM FOR A PULLER/TENSIONER MACHINE**  
[54] **SYSTEME DE REGULATION AUTOMATIQUE DE LA TENSION DES CABLES POUR UN TENDEUR-DEROULEUR**  
[72] RAYNAULD, ROGER, CA  
[72] DESLOGES, MARC, CA  
[71] DEL TECHNOLOGIE, CA  
[22] 2000-04-17  
[43] 2001-10-17

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**Demandes canadiennes mises à la disponibilité du public**  
**14 octobre 2001 - 23 octobre 2001**

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[21] **2,305,647**  
[13] A1

[51] **Int.Cl. 7F25B 21/02 7H01L 35/28**  
[25] EN  
[54] **MODULAR THERMOELECTRIC UNIT AND COOLING SYSTEM USING SAME**  
[54] **UNITE THERMOELECTRIQUE MODULAIRE ET SYSTEME DE REFROIDISSEMENT EQUIPE D'UNE TELLE UNITE**  
[72] LALIBERTE, JACQUES, CA  
[71] LALIBERTE, JACQUES, CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,305,821**  
[13] A1

[51] **Int.Cl. 7B26B 27/00**  
[25] EN  
[54] **A CUTTING APPARATUS FOR THE REMOVAL OF WINDSHIELD**  
[54] **APPAREIL DE COUPE POUR LE RETRAIT DE PARE-BRISE**  
[72] HOGG, JAMES, CA  
[71] HOGG, JAMES, CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,305,834**  
[13] A1

[51] **Int.Cl. 7H04L 12/16 7H04L 12/22**  
[25] EN  
[54] **METHOD AND APPARATUS FOR AUTOMATED MANAGEMENT OF ON-LINE AUCTIONS**  
[54] **METHODE ET APPAREIL DE GESTION AUTOMATISEE D'ENCHERES EN LIGNE**  
[72] SNIDER, JEFFERY, CA  
[71] SNIDER, JEFFERY, CA  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,305,845**  
[13] A1

[51] **Int.Cl. 7A01K 85/01**  
[25] EN  
[54] **AUDIBLE FISHING LURE**  
[54] **APPAT DE PECHE SONORE**  
[72] ANASTACIO, NELSON, CA  
[71] ANASTACIO, NELSON, CA  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,305,852**  
[13] A1

[51] **Int.Cl. 7F16B 12/12 7F16B 5/00 7F16B 12/14**  
[25] EN  
[54] **ANCHORING BISCUIT DEVICE**  
[54] **FIXATION EN BISCUIT**  
[72] EBERLE, HARRY W., III, US  
[71] EBERLE, HARRY W., III, US  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,305,857**  
[13] A1

[51] **Int.Cl. 7A62B 35/00 7A41F 17/00**  
[25] EN  
[54] **RESTRAINT GARMENT**  
[54] **VETEMENT DE CONTENTION**  
[72] ARGENTINO, GIOVANNI, CA  
[71] ARGENTINO, GIOVANNI, CA  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,305,859**  
[13] A1

[51] **Int.Cl. 7B60R 13/10**  
[25] EN  
[54] **DECORATIVE PLATE FOR USE WITH VEHICLE FRONT LICENSE PLATE**  
[54] **PLAQUE DECORATIVE POUR PLAQUE D'IMMATRICULATION AVANT**  
[72] MIKUTA, ANDRZEJ, CA  
[71] MIKUTA, ANDRZEJ, CA  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,305,860**  
[13] A1

[51] **Int.Cl. 7H01Q 1/32 7G01S 5/14**  
[25] EN  
[54] **CAR RADIO ANTENNA WITH INTEGRATED GPS MEANS**  
[54] **ANTENNE RADIO D'AUTOMOBILE A ELEMENT GPS INTEGRE**  
[72] KIELLAND, PETER JOHANN, CA  
[71] KIELLAND, PETER JOHANN, CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,305,861**  
[13] A1

[51] **Int.Cl. 7B62B 3/00 7B62B 3/02**  
[25] FR  
[54] **CHARIOT A CHARGEMENT LATERAL A PLATEAU FIXE ABAISSE OU POUVANT ETRE BASCULANT**  
[54] **SIDE-LOADING DOLLY WITH DROP-DOWN OR TILTABLE FIXED PLATFORM**  
[72] ISABELLE, ALAIN, CA  
[72] LAPORTE, MARIO, CA  
[71] ISABELLE, ALAIN, CA  
[71] LAPORTE, MARIO, CA  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,305,878**  
[13] A1

[51] **Int.Cl. 7E04C 3/14**  
[25] EN  
[54] **COMPOSITE WOODEN BEAM**  
[54] **POUTRE DE BOIS COMPOSITE**  
[72] WRIGHT, JERARD GEORGE, CA  
[71] WRIGHT, JERARD GEORGE, CA  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,305,881**  
[13] A1

[51] **Int.Cl. 7B62M 9/08 7F16H 9/24 7F16H 55/30**  
[25] EN  
[54] **VARIABLE SPEED TRANSMISSION**  
[54] **TRANSMISSION A VITESSE VARIABLE**  
[72] LAMOUREUX, NOEL, CA  
[71] LAMOUREUX, NOEL, CA  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,305,882**  
[13] A1

[51] **Int.Cl. 7G08C 17/02**  
[25] EN  
[54] **FLIGHT & NAVIGATION CONTROL UNIT**  
[54] **UNITE DE SURVEILLANCE DE VOL ET DE NAVIGATION**  
[72] KAUMARCE, PANAAHI, CA  
[71] KAUMARCE, PANAAHI, CA  
[22] 2000-04-19  
[43] 2001-10-19

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October 14, 2001 - October 23, 2001

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[21] **2,305,909**  
[13] A1  
[51] **Int.Cl. 7B65F 1/16**  
[25] EN  
[54] **WASTE CONTAINER WITH REINFORCED BOTTOM**  
[54] **RECIPIENT A DECHETS AVEC FOND RENFORCE**  
[72] WYSOCKI, EDWARD H., US  
[71] CASCADE ENGINEERING, INC., US  
[22] 2000-04-17  
[43] 2001-10-17

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[21] **2,305,912**  
[13] A1  
[51] **Int.Cl. 7G06F 17/60 7H04Q 7/06 7H04L 12/54**  
[25] EN  
[54] **INTERNET PAGER SERVICE DISPATCH**  
[54] **SERVICE DE REPARTITION PAR TELEAPPEL SUR INTERNET**  
[72] HEWITT, WILLIAM JAMES, CA  
[72] ANDRIC, RADISLAV, CA  
[72] WINDISCH, ROLAND ALOIS, CA  
[72] SMITH, STEPHEN PHILIP, CA  
[71] OXFORD PROPERTIES GROUP INC., CA  
[22] 2000-04-17  
[43] 2001-10-17

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[21] **2,305,914**  
[13] A1  
[51] **Int.Cl. 7H04L 12/16 7G06F 17/60**  
[25] EN  
[54] **EBPP BILLER DIRECTORY SYSTEM AND METHOD**  
[54] **SYSTEME ET METHODE DE GENERATION ET D'UTILISATION D'UN REPERTOIRE DE FACTURIERS PPEF**  
[72] DEGROOT, JOHN, CA  
[71] BILLWHIZ INC., CA  
[22] 2000-04-17  
[43] 2001-10-17

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[21] **2,305,921**  
[13] A1  
[51] **Int.Cl. 7E05B 73/00 7G07F 17/00**  
[25] EN  
[54] **APPARATUS FOR LOCKING SHOPPING CARTS TOGETHER AND METHOD OF UTILIZATION THEREOF**  
[54] **APPAREIL ET METHODE D'UTILISATION D'APPAREIL DE VERROUILLAGE DE CHARIOTS**  
[72] DIPAOLO, ANTHONY M., US  
[71] DIPAOLO, ANTHONY M., US  
[22] 2000-04-17  
[43] 2001-10-17

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[21] **2,305,974**  
[13] A1  
[51] **Int.Cl. 7C30B 7/10**  
[25] EN  
[54] **METHOD AND APPARATUS FOR GROWING CRYSTALS**  
[54] **METHODE ET APPAREIL POUR LA CROISSANCE DE CRISTAUX**  
[72] KLIPOV, VLADIMIR A., US  
[71] SAWYER RESEARCH PRODUCTS, INC., US  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,305,976**  
[13] A1  
[51] **Int.Cl. 7A47K 13/26**  
[25] EN  
[54] **TOILET SEAT SECURING ASSEMBLY**  
[54] **ASSEMBLAGE DE FIXATION DE SIEGE DE TOILETTE**  
[72] SIEB, ERIK, CA  
[71] SIEB, ERIK, CA  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,305,982**  
[13] A1  
[51] **Int.Cl. 7H04M 11/04 7G08B 29/04 7H04M 11/06**  
[25] EN  
[54] **CONTROL PANEL WITH DSL BYPASS CIRCUIT**  
[54] **PANNEAU DE COMMANDE AVEC CIRCUIT DE DERIVATION DSL**  
[72] ALMEIDA, FABIO J.D., CA  
[72] PILDNER, REINHART KARL, CA  
[71] DIGITAL SECURITY CONTROLS LTD., CA  
[22] 2000-04-18  
[43] 2001-10-18

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[21] **2,305,984**  
[13] A1  
[51] **Int.Cl. 7F02D 31/00 7F02D 19/02 7F02M 21/04**  
[25] EN  
[54] **AIR-FUEL CONTROL SYSTEM**  
[54] **SYSTEME DOSEUR DE MELANGE AIR-CARBURANT**  
[72] MALM, HOWARD LEIGH, CA  
[72] KEAST, LESLIE ALLAN, CA  
[71] REM TECHNOLOGY INC., CA  
[22] 2000-04-18  
[43] 2001-10-18

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[21] **2,305,988**  
[13] A1  
[51] **Int.Cl. 7A61H 33/02**  
[25] EN  
[54] **BATHTUB DESIGN WITH THERAPEUTICAL TREATMENT DEVICES**  
[54] **BAIGNOIRE AVEC APPAREILS DE TRAITEMENT THERAPEUTIQUE**  
[72] MARTIN, LOUIS, CA  
[72] MAILLOUX, BERTHIER, CA  
[72] JACQUES, MARC, CA  
[72] BRUNELLE, HENRY, CA  
[72] MORRISSETTE, LOUIS, CA  
[72] BARON, STEPHANE, CA  
[72] ROY, MARTIN, CA  
[71] BAINS ULTRA INC., CA  
[22] 2000-04-18  
[43] 2001-10-18

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[21] **2,306,012**  
[13] A1  
[51] **Int.Cl. 7E21B 41/00**  
[25] EN  
[54] **METHOD OF RETARDING SAND BUILD UP IN HEAVY OIL WELLS**  
[54] **METHODE DE RALENTISSEMENT D'ACCUMULATION DE SABLE DANS LES PUIITS DE PETROLE LOURD**  
[72] HASELOH, PETER GERALD, CA  
[71] HASELOH, PETER GERALD, CA  
[22] 2000-04-18  
[43] 2001-10-18

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**14 octobre 2001 - 23 octobre 2001**

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[21] **2,306,016**  
[13] A1

[51] **Int.Cl. 7E21B 21/08**  
[25] EN  
[54] **METHOD AND APPARATUS FOR INJECTING ONE OR MORE FLUIDS INTO A BOREHOLE**  
[54] **METHODE ET APPAREIL D'INJECTION D'UN OU DE PLUSIEURS FLUIDES DANS UN TROU DE FORAGE**  
[72] RISPLER, KEVIN, CA  
[72] PERKINS, ERNEST H., CA  
[72] LILLICO, DOUGLAS A., CA  
[71] ALBERTA RESEARCH COUNCIL INC., CA  
[22] 2000-04-18  
[43] 2001-10-18

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[21] **2,306,061**  
[13] A1

[51] **Int.Cl. 7B60P 1/04 7E21B 41/00 7B60P 1/52**  
[25] EN  
[54] **RAMP TRAILER FOR OIL FIELD TUBULARS**  
[54] **REMORQUE A RAMPE POUR MATERIEL TUBULAIRE DE CHAMPS DE PETROLE**  
[72] EASTCOTT, GARNET B., CA  
[71] EASTCOTT, GARNET B., CA  
[22] 2000-04-18  
[43] 2001-10-18

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[21] **2,306,097**  
[13] A1

[51] **Int.Cl. 7H04B 10/17**  
[25] EN  
[54] **GAIN-LOCKED METHOD FOR DUAL-STAGE OPTICAL AMPLIFIERS**  
[54] **METHODE DE VERROUILLAGE DU GAIN POUR AMPLIFICATEURS OPTIQUES A DEUX ETAGES**  
[72] ROULEAU, YVES, CA  
[72] MIMEAULT, YVAN, CA  
[72] BEGIN, MICHEL, CA  
[72] LAUZON, JOCELYN, CA  
[71] INSTITUT NATIONAL D'OPTIQUE, CA  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,306,022**  
[13] A1

[51] **Int.Cl. 7F24F 12/00**  
[25] EN  
[54] **INTERGRATED HRV, DUCTLESS AND NO MOVING PARTS**  
[54] **SYSTEME DE VENTILATION ET DE RECUPERATION DE CHALEUR SANS CONDUITE NI PIECES MOBILES**  
[72] BEAINI, PETER, CA  
[71] BEAINI, PETER, CA  
[22] 2000-04-18  
[43] 2001-10-18

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[21] **2,306,070**  
[13] A1

[51] **Int.Cl. 7F16B 41/00**  
[25] EN  
[54] **COVERING DEVICE FOR NUT AND COVERING DEVICE FOR BOLT HEAD**  
[54] **CACHE-ECROU ET DISPOSITIF DE COUVERTURE DE TETE DE VIS**  
[72] OKAMURA, TOSHIO, JP  
[71] OKAMURA YUGEN GAISHA, JP  
[22] 2000-04-18  
[43] 2001-10-18

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[21] **2,306,152**  
[13] A1

[51] **Int.Cl. 7C02F 1/02 7A61C 17/02**  
[25] EN  
[54] **MEDICAL UNIT WATER LINE STERILIZATION SYSTEM**  
[54] **UNITE MEDICALE DE STERILISATION DE L'EAU D'ALIMENTATION**  
[72] OLK, M. JOSEPH, US  
[72] KOONTZ, MICHAEL G., US  
[71] OLK, M. JOSEPH, US  
[71] KOONTZ, MICHAEL G., US  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,306,031**  
[13] A1

[51] **Int.Cl. 7A63B 63/08**  
[25] EN  
[54] **AUTO-BALL-RETURN BASKETBALL HOOP**  
[54] **PANIER DE BASKET-BALL AVEC DISPOSITIF DE RETOUR DE BALLE**  
[72] BARDHAN, BIBHUTI BHUSAN, CA  
[71] BARDHAN, BIBHUTI BHUSAN, CA  
[22] 2000-04-18  
[43] 2001-10-18

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[21] **2,306,073**  
[13] A1

[51] **Int.Cl. 7B66F 3/28 7F15B 15/16**  
[25] EN  
[54] **A TELESCOPIC HOIST**  
[54] **APPAREIL DE LEVAGE TELESCOPIQUE**  
[72] MAINVILLE, LUC, CA  
[71] MAINVILLE, LUC, CA  
[22] 2000-04-18  
[43] 2001-10-18

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[21] **2,306,159**  
[13] A1

[51] **Int.Cl. 7C08K 5/54 7C08L 27/06 7C08J 5/18**  
[25] EN  
[54] **BLIND SLAT AND METHOD FOR MAKING SAME**  
[54] **LAME DE STORE ET METHODE DE FABRICATION**  
[72] WU, YI-FAN, TW  
[72] HSIAO, YAO-KUEI, TW  
[72] KUAN, JENN-FONG, TW  
[72] HUANG, CHIEN-MING, TW  
[72] LIN, CHIH-CHING, TW  
[71] NIEN MADE ENTERPRISE CO., LTD., TW  
[71] PLASTICS INDUSTRY DEVELOPMENT CENTER, TW  
[22] 2000-04-18  
[43] 2001-10-18

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[21] **2,306,089**  
[13] A1

[51] **Int.Cl. 7G01R 31/02 7G01R 31/26**  
[25] EN  
[54] **HIGH-SPEED, ADAPTIVE IDDQ MEASUREMENT**  
[54] **MESURES IDDQ ADAPTATIVES HAUTE VITESSE**  
[72] FERGUSON, KENNETH WILLIAM, CA  
[72] GERSON, BRIAN, CA  
[71] PMC-SIERRA, INC., CA  
[22] 2000-04-14  
[43] 2001-10-14

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October 14, 2001 - October 23, 2001

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[21] **2,306,169**  
[13] A1  
[51] **Int.Cl. 7G06F 3/14 7G06T 3/00 7G06F 3/033**  
[25] EN  
[54] **SYSTEM AND METHOD FOR IMPORTING IMAGES**  
[54] **SYSTEME ET METHODE D'IMPORTATION D'IMAGES**  
[72] RAJENDRA, ANSLEM J., CA  
[71] COREL CORPORATION, CA  
[22] 2000-04-14  
[43] 2001-10-14

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[21] **2,306,170**  
[13] A1  
[51] **Int.Cl. 7C07D 239/60 7C07D 403/00 7C07D 413/00 7C07F 5/02 7C07D 239/62 7C07F 9/6512 7C07D 239/70**  
[25] EN  
[54] **NOVEL AMINO, CARBOXY DERIVATIVES OF BARBITURIC ACID**  
[54] **NOUVEAUX DERIVES AMINES ET CARBOXYLES DE L'ACIDE BARBITURIQUE**  
[72] CURRY, KENNETH, CA  
[71] CURRY, KENNETH, CA  
[22] 2000-04-18  
[43] 2001-10-18

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[21] **2,306,197**  
[13] A1  
[51] **Int.Cl. 7E06B 11/06 7F16B 1/00**  
[25] EN  
[54] **GATE CORNER BRACKET**  
[54] **SUPPORT D'ANGLE DE BARRIERE**  
[72] MEYER, GEORGE, CA  
[71] ROYAL CAPITAL STAMPING AND TOOLING LTD., CA  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,306,203**  
[13] A1  
[51] **Int.Cl. 7B01D 45/16 7F23J 3/04 7F23C 10/18**  
[25] EN  
[54] **IMPROVEMENTS IN OR RELATING TO NOVEL GAS-SOLID SEPARATORS FOR USE IN BOILERS OR OTHER GAS-SOLID STREAMS**  
[54] **AMELIORATIONS CONCERNANT LES SEPARATEURS GAZ-SOLIDES POUR UTILISATION DANS LES CHAUDIERES OU AUTRES FLUX GAS-SOLIDES**  
[72] BASU, PRABIR, CA  
[71] GREENFIELD RESEARCH INCORPORATED, CA  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,306,237**  
[13] A1  
[51] **Int.Cl. 7B01J 19/12 7C02F 1/30**  
[25] EN  
[54] **FLUID TREATMENT DEVICE AND PROCESS FOR TREATING FLUID**  
[54] **DISPOSITIF ET PROCEDE POUR LE TRAITEMENT DE FLUIDES**  
[72] KANTZAS, APOSTOLOS, CA  
[72] LANGFORD, COOPER H., CA  
[72] STAROSUD, ALEX, CA  
[72] BHARGAVA, AMIT, CA  
[71] KANTZAS, APOSTOLOS, CA  
[71] LANGFORD, COOPER H., CA  
[71] STAROSUD, ALEX, CA  
[71] BHARGAVA, AMIT, CA  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,306,244**  
[13] A1  
[51] **Int.Cl. 7A47H 13/00 7A47K 3/38**  
[25] EN  
[54] **SHOWER CURTAIN CLOSURE**  
[54] **FERMETURE DE RIDEAU DE DOUCHE**  
[72] BRYCE, THOMAS W., CA  
[71] BRYCE, THOMAS W., CA  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,306,259**  
[13] A1  
[51] **Int.Cl. 7E21B 43/12**  
[25] EN  
[54] **PREVENTION OF SAND PLUGGING OF OIL WELL PUMPS**  
[54] **PREVENTION DE L'OBTURATION PAR LE SABLE DE POMPES DE PUITES DE PETROLE**  
[72] MILLS, RAY G., CA  
[71] KUDU INDUSTRIES INC., CA  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,306,268**  
[13] A1  
[51] **Int.Cl. 7C02F 7/00 7C02F 1/74**  
[25] EN  
[54] **APPARATUS FOR AERATING WATER**  
[54] **APPAREIL POUR AERER L'EAU**  
[72] JAGER, ANDREAS, DE  
[71] GUMMI-JAGER KG GMBH & CIE, DE  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,306,290**  
[13] A1  
[51] **Int.Cl. 7G03B 7/18 7G02B 26/00 7G02B 5/20 7H04N 5/225**  
[25] EN  
[54] **VARIABLE OPTICAL FILTER**  
[54] **FILTRE OPTIQUE VARIABLE**  
[72] HIGH, MARTIN, CA  
[72] BALL, GARY, US  
[71] HIGH, MARTIN, CA  
[71] BALL, GARY, US  
[22] 2000-04-20  
[43] 2001-10-20

**Demandes canadiennes mises à la disponibilité du public**  
**14 octobre 2001 - 23 octobre 2001**

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[21] **2,306,291**  
[13] A1

[51] **Int.Cl. 7B63H 21/00 7F42B 15/00 7B64C 19/00 7B64D 31/00 7B64D 37/00 7B63G 8/08 7B63H 21/21 7F42B 19/30**  
[25] EN  
[54] **METHOD AND APPARATUS FOR IMPROVING THE SPEED AND FUEL ECONOMY -HENCE ENDURANCE (RANGE) OF AIRCRAFT, SURFACE VESSELS, SUB-SURFACE VESSELS, MISSILES AND TORPEDOES AND/OR ALTERING THE ACOUSTIC SIGNATURE OF SUCH AIRCRAFT, SURFACE VESSELS, SUB-SURFACE VESSELS, MISSILES OR TORPEDOES**  
[54] **TECHNIQUE ET APPAREIL POUR AUGMENTER LA VITESSE ET REDUIRE LA CONSOMMATION DE CARBURANT -DONC, AUGMENTER L'AUTONOMIE (LA DISTANCE FRANCHISSABLE) DES AERONEFS, DES NAVIRES DE SURFACE, DES SOUS-MARINS, DES MISSILES ET DES TORPILLES ET/OU POUR EN MODIFIER LA SIGNATURE ACOUSTIQUE**  
[72] CONRAD, WAYNE ERNEST, CA  
[71] CONRAD, WAYNE ERNEST, CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,306,295**  
[13] A1

[51] **Int.Cl. 7E01D 2/02**  
[25] EN  
[54] **BRIDGE STRUCTURE WITH CONCRETE DECK HAVING PRE-CAST SLAB**  
[54] **PONT AVEC TABLIER DE BETON AYANT UNE DALLE PREFABRIQUEE**  
[72] BOT, STEVEN ROBERT, CA  
[71] BOT CONSTRUCTION LIMITED, CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,306,304**  
[13] A1

[51] **Int.Cl. 7H05K 13/00**  
[25] EN  
[54] **AUTOMATED MANUFACTURING CONTROL SYSTEM**  
[54] **SYSTEME AUTOMATISE DE CONTROLE DE LA PRODUCTION**  
[72] MONETTE, FRANCOIS, CA  
[72] CORRIVEAU, ANDRE, CA  
[72] DUBOIS, VINCENT, CA  
[71] COGISCAN INC., CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,306,311**  
[13] A1

[51] **Int.Cl. 7B01J 20/28 7B01J 35/04 7B01D 53/047 7B01J 19/32**  
[25] EN  
[51] **ADSORBENT LAMINATE STRUCTURES**  
[54] **STRUCTURES LAMELLEES ADSORBANTES**  
[72] SHAW, IAN, CA  
[72] LARISCH, BELINDA, CA  
[72] SELLARS, BRIAN G., CA  
[72] CAREL, ALAIN, CA  
[72] KEEFER, BOWIE G., CA  
[71] QUEST AIR GASES INC., CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,306,326**  
[13] A1

[51] **Int.Cl. 7B62D 63/06 7B60P 3/00**  
[25] FR  
[54] **REMORQUE MULTI-FONCTIONNELLE**  
[54] **MULTIPURPOSE TRAILER**  
[72] GERVAIS, RICHARD, CA  
[71] GERVAIS, RICHARD, CA  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,306,329**  
[13] A1

[51] **Int.Cl. 7A41D 25/02**  
[25] EN  
[54] **NECKTIE WITH A PREFABRICATED KNOT**  
[54] **CRAVATE PRENOUEE**  
[72] PIQUETTE, JAMES ROBERT, CA  
[71] PIQUETTE, JAMES ROBERT, CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,306,356**  
[13] A1

[51] **Int.Cl. 7F16B 15/00 7F16B 33/06**  
[25] EN  
[54] **A FASTENER HAVING A PROTECTIVE COATING AND A METHOD OF PROVIDING SAME**  
[54] **UN ORGANE D'ASSEMBLAGE AVEC REVETEMENT PROTECTEUR ET UNE METHODE POUR SA PRODUCTION**  
[72] ZAKRZEWSKI, HENRY, AU  
[71] BHP STEEL (AWI) PTY LIMITED, AU  
[22] 2000-04-19  
[43] 2001-10-19

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[21] **2,306,361**  
[13] A1

[51] **Int.Cl. 7B21B 39/16**  
[25] EN  
[54] **IMPROVED ROLLER ENTRY GUIDE FOR ROD MILLS**  
[54] **GUIDE D'ENTREE A ROULEAU AMELIORE POUR LAMINOIR A FIL**  
[72] FABRIS, MARIO, CA  
[71] FABRIS, MARIO, CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,306,362**  
[13] A1

[51] **Int.Cl. 7B25C 5/16**  
[25] EN  
[54] **STAPLER WITH FEED SYSTEM FOR ELEMENTS TO BE STAPLED TO A WORKPIECE**  
[54] **AGRAFEUSE AVEC SYSTEME D'ALIMENTATION POUR LES ELEMENTS A AGRAFER SUR UNE PIECE A TRAVAILLER**  
[72] STEED, WILLIAM G., CA  
[71] PATENT APPLIED TECHNOLOGY, CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,306,413**  
[13] A1

[51] **Int.Cl. 7B60P 1/43 7A61G 3/06**  
[25] EN  
[54] **PASSENGER ENTRANCE RAMP FOR MASS TRANSIT VEHICLE**  
[54] **RAMPE D'ENTREE DE PASSAGERS POUR VEHICULE DE TRANSPORT EN COMMUN**  
[72] DEN OUDSTEN, JAN, CA  
[72] CAMPBELL, GLENN, CA  
[72] MARICA, ADRIAN, CA  
[72] MELANSON, DEAN B., CA  
[72] BOXHOORN, HARRY, NL  
[72] DRASKOVIC, GORDAN, CA  
[71] NEW FLYER INDUSTRIES LIMITED, CA  
[22] 2000-04-20  
[43] 2001-10-20

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October 14, 2001 - October 23, 2001

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[21] **2,306,424**  
[13] A1  
[51] **Int.Cl. 7B62D 63/08 7B60P 3/00**  
[25] EN  
[54] **TOOL CADDY**  
[54] **BOITE DE RANGEMENT POUR OUTILS**  
[72] KETCHMARK, PATRICK, CA  
[71] KETCHMARK, PATRICK, CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,306,433**  
[13] A1  
[51] **Int.Cl. 7B27B 31/04**  
[25] EN  
[54] **SAWMILL LOG TURNER**  
[54] **TOURNE-BILLE POUR SCIERIE**  
[72] YODER, DANIEL, US  
[71] YODER, DANIEL, US  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,306,521**  
[13] A1  
[51] **Int.Cl. 7G06F 17/60 7H04L 12/16**  
[25] EN  
[54] **INTERNET BILLING AND PAYMENT SYSTEM**  
[54] **SYSTEME DE FACTURATION ET DE PAIEMENT PAR INTERNET**  
[72] TILLQUIST, JOHN J., CA  
[71] TILLQUIST, JOHN J., CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,306,546**  
[13] A1  
[51] **Int.Cl. 7B08B 9/023**  
[25] EN  
[54] **TUBE SCRAPER**  
[54] **GRATTOIR DE TUBES**  
[72] WANG, DEMAO, CA  
[72] SOTIRAKOS, BILL, CA  
[71] PHOTOSCIENCE JAPAN CORPORATION, JP  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,306,589**  
[13] A1  
[51] **Int.Cl. 7G06F 17/60 7H04L 12/16**  
[25] EN  
[54] **EBPP BILLER DIRECTORY SYSTEM AND METHOD**  
[54] **SYSTEME ET METHODE DE GENERATION ET D'UTILISATION D'UN REPERTOIRE DE FACTURIERS PPEF**  
[72] DEGROOT, JOHN, CA  
[71] BILLWHIZ INC., CA  
[22] 2000-04-26  
[43] 2001-10-17  
[30] CA (2,305,914) 2000-04-17

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[21] **2,306,671**  
[13] A1  
[51] **Int.Cl. 7H02J 3/02 7H03H 7/03**  
[25] EN  
[54] **MAGNETIC TYPE HARMONIC FILTERS FOR ELECTRICAL SYSTEMS**  
[54] **FILTRES D'HARMONIQUES DE TYPE MAGNETIQUE POUR RESEAUX ELECTRIQUES**  
[72] YU, LUKE Y., US  
[72] YU, HENRY, US  
[71] YU, LUKE Y., US  
[71] YU, HENRY, US  
[22] 2000-04-18  
[43] 2001-10-18

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[21] **2,307,260**  
[13] A1  
[51] **Int.Cl. 7E05F 15/16**  
[25] EN  
[54] **DOOR OPERATOR UNIT**  
[54] **DISPOSITIF DE FERMETURE DE PORTE**  
[72] DELANEY, CHARLES E., US  
[72] BALLI, ROBERT E., US  
[71] OVERHEAD DOOR CORPORATION, US  
[22] 2000-04-28  
[43] 2001-10-20  
[30] US (09/553,614) 2000-04-20

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[21] **2,307,351**  
[13] A1  
[51] **Int.Cl. 7F16K 17/02 7F16K 15/02 7F24D 19/10 7F16K 31/122 7F24H 9/20**  
[25] FR  
[54] **SYSTEME ANTI-FUITE AUTOMATIQUE POUR CHAUFFE-EAU**  
[54] **AUTOMATIC NON-SPILL SYSTEM FOR WATER HEATER**  
[72] COUSINEAU, MICHEL, CA  
[71] COUSINEAU, MICHEL, CA  
[22] 2000-04-20  
[43] 2001-10-20

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[21] **2,309,359**  
[13] A1  
[51] **Int.Cl. 7B27B 31/06**  
[25] EN  
[54] **LOG PROCESSOR AND METHOD**  
[54] **EBRANCHEUSE-TRONCONNEUSE DE RONDINS ET METHODE D'EXPLOITATION**  
[72] MCGEHEE, RONALD W., US  
[72] MITCHELL, RORY M., US  
[71] CAE MCGEHEE, INC., US  
[22] 2000-05-24  
[43] 2001-10-17  
[30] US (60/198,151) 2000-04-17

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[21] **2,310,964**  
[13] A1  
[51] **Int.Cl. 7H04L 12/16 7G09F 23/00**  
[25] EN  
[54] **ADVERTISEMENT APPARATUS USING MEDIUM OF DRINK INSTRUMENT AND THE OPERATION METHOD**  
[54] **SYSTEME PUBLICITAIRE UTILISANT DES INSTRUMENTS POUR BOISSON AINSI QUE METHODE DE FONCTIONNEMENT**  
[72] KIM, YOUNG WOO, CA  
[71] KIM, YOUNG WOO, CA  
[22] 2000-06-07  
[43] 2001-10-19  
[30] KR (2000-20815) 2000-04-19

**Demandes canadiennes mises à la disponibilité du public**  
**14 octobre 2001 - 23 octobre 2001**

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[21] **2,311,205**  
[13] A1

[51] **Int.Cl. 7A23K 1/18**  
[25] EN  
[54] **CULTURED FISH CAROTENOID AND POLYPHENOL ADDED FEED FOR IMPROVING FISH BODY COLOR TONE AND FISH MEAT BRILLIANCE**  
[54] **ALIMENTS POUR POISSONS D'ELEVAGE ADDITIONNES D'UN CAROTENO-DE ET D'UN POLYPHENOL PERMETTANT D'AMELIORER LA NUANCE DE LA COULEUR DU POISSON ET L'ECLAT DE LA CHAIR DE POISSON**  
[72] SAKIURA, TOSHIYUKI, JP  
[71] NAKAJIMA SUISAN CO., LTD., JP  
[22] 2000-06-09  
[43] 2001-10-20  
[30] JP (2000-119390) 2000-04-20

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[21] **2,313,304**  
[13] A1

[51] **Int.Cl. 7B01D 63/08**  
[25] EN  
[54] **APPARATUS FOR FILTERING AND SEPARATING PARTICULARLY BIOLOGICALLY ORGANIC FLUIDS**  
[54] **APPAREIL DE FILTRATION ET DE SEPARATION DE FLUIDES ORGANIQUES DE NATURE BIOLOGIQUE**  
[72] HEINE, WILHELM, DE  
[72] GUNTHER, RALPH, DE  
[71] ROCHEM RO-WASSERBEHANDLUNG GMBH, DE  
[22] 2000-06-30  
[43] 2001-10-20  
[30] EP (00 108 634.7) 2000-04-20

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[21] **2,313,599**  
[13] A1

[51] **Int.Cl. 7A01D 45/00 7A01D 43/077 7A01D 57/20**  
[25] EN  
[54] **BRANCHES REAPER ASSEMBLY**  
[54] **ENSEMBLE EBRANCHEUR**  
[72] BERTINO, LUIZ HENRIQUE, BR  
[71] BERTINO, LUIZ HENRIQUE, BR  
[22] 2000-07-07  
[43] 2001-10-19  
[30] BR (PI 0001647) 2000-04-19

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[21] **2,314,580**  
[13] A1

[51] **Int.Cl. 7B65B 51/30**  
[25] EN  
[54] **CUTTER ACTIVATING MACHINE FOR PACKAGING APPARATUS**  
[54] **MACHINE POUR ACTIONNER DES TETES DE COUPE POUR APPAREIL D'EMBALLAGE**  
[72] FLESCH, KEITH E., US  
[71] AVISO PACKAGING, LLC, US  
[22] 2000-07-27  
[43] 2001-10-17  
[30] US (09/550,426) 2000-04-17

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[21] **2,314,725**  
[13] A1

[51] **Int.Cl. 7E05F 15/00 7E06B 3/48**  
[25] EN  
[54] **TANDEM SLIDING DOOR OPERATOR**  
[54] **DISPOSITIF DE FERMETURE DE PORTE COULISSANTE EN TANDEM**  
[72] HEFFNER, STEVEN P., US  
[72] MANSEAU, MICHAEL, US  
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US  
[22] 2000-07-31  
[43] 2001-10-14  
[30] US (550,241) 2000-04-14

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[21] **2,314,792**  
[13] A1

[51] **Int.Cl. 7F16F 1/18 7A62C 13/76**  
[25] EN  
[54] **MODIFIED SPRING**  
[54] **RESSORT MODIFIE**  
[72] DOSTER, DEAN W., CA  
[71] FLAG FIRE EQUIPMENT LTD., CA  
[22] 2000-07-31  
[43] 2001-10-20  
[30] US (09/553,314) 2000-04-20

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[21] **2,316,772**  
[13] A1

[51] **Int.Cl. 7G05D 1/00**  
[25] EN  
[54] **METHOD OF STEERING A MACHINE ON A PREDETERMINED ROUTE AND DEVICE FOR ITS EXECUTION**  
[54] **METHODE ET DISPOSITIF DE GUIDAGE D'UNE MACHINE SUR UN TRAJET PREDETERMINE**  
[72] GLASMACHER, HANS, DE  
[72] BITTNER, GUNTHER, DE  
[71] GEO TEC ELECTRONICS GMBH, DE  
[22] 2000-08-28  
[43] 2001-10-17  
[30] DE (100 19 011.1) 2000-04-17

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[21] **2,317,332**  
[13] A1

[51] **Int.Cl. 7G06F 17/60 7H04L 12/16 7G06F 17/30**  
[25] EN  
[54] **SYSTEM AND METHOD FOR COLLECTING, AGGREGATING, AND DISTRIBUTING SECURITIES PRICING INFORMATION**  
[54] **SYSTEME ET METHODE DE COLLECTE, DE CONSOLIDATION ET DE DIFFUSION D'INFORMATION SUR LES PRIX DE VALEURS**  
[72] NG, LARRY, US  
[72] CENATIEMPO, PHIL, US  
[71] MONEYLINE NETWORK, INC., US  
[22] 2000-09-01  
[43] 2001-10-18  
[30] US (60/197,604) 2000-04-18  
[30] US (09/598,387) 2000-06-21

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[21] **2,320,584**  
[13] A1

[51] **Int.Cl. 7A63F 9/10**  
[25] EN  
[54] **JIGSAW PUZZLE MANUFACTURING METHOD**  
[54] **METHODE DE FABRICATION D'UN JEU DE PATIENCE**  
[72] HAYASHI, SHIGERU, JP  
[71] MASTER MIND, CO., LTD., JP  
[22] 2000-09-26  
[43] 2001-10-17  
[30] US (09/550,121) 2000-04-17



Canadian Laid-Open Applications  
October 14, 2001 - October 23, 2001

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[21] **2,321,009**  
[13] A1  
[51] **Int.Cl. 7H05K 13/08 7G06F 17/40**  
[25] EN  
[54] **AUTOMATED MANUFACTURING CONTROL SYSTEM**  
[54] **SYSTEME AUTOMATISE DE CONTROLE DE LA PRODUCTION**  
[72] DUBOIS, VINCENT, CA  
[72] CORRIVEAU, ANDRE, CA  
[72] MONETTE, FRANCOIS, CA  
[71] COGISCAN INC., CA  
[22] 2000-09-27  
[43] 2001-10-20  
[30] CA (2,306,304) 2000-04-20

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[21] **2,322,147**  
[13] A1  
[51] **Int.Cl. 7E21B 44/00 7E21B 7/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PREDICTING AN OPERATING CHARACTERISTIC OF A ROTARY EARTH BORING BIT**  
[54] **METHODE ET APPAREIL DE PREVISION DES CARACTERISTIQUES DE FONCTIONNEMENT D'UN OUTIL DE FORAGE ROTATIF DE TERRAIN**  
[72] JELLEY, DAVID JOHN, GB  
[72] JARVIS, BRIAN PETER, GB  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[22] 2000-10-04  
[43] 2001-10-15  
[30] GB (0009266.9) 2000-04-15

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[21] **2,322,576**  
[13] A1  
[51] **Int.Cl. 7A01B 63/16**  
[25] EN  
[54] **AGRICULTURAL IMPLEMENT LIFT WHEEL STRUCTURE**  
[54] **STRUCTURE DE ROUE RETRACTILE POUR OUTIL AGRICOLE**  
[72] PAYNE, DAVID ALAN, US  
[72] NOONAN, JAMES THOMAS, US  
[72] PARKER, PAUL DAVID, US  
[72] MOSDAL, BRIAN THOMAS, US  
[72] ROYER, ANTHONY SCOTT, US  
[71] DEERE & COMPANY, US  
[22] 2000-10-06  
[43] 2001-10-17  
[30] US (09/550,979) 2000-04-17

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[21] **2,323,403**  
[13] A1  
[51] **Int.Cl. 7A41G 5/00 7A41G 3/00**  
[25] EN  
[54] **WEARER'S OWN HAIR UTILIZING TYPE WIG AND METHOD FOR MANUFACTURING THE SAME**  
[54] **PERRUQUE UTILISANT LES CHEVEUX DU PORTEUR ET METHODE DE CONFECTION**  
[72] ISOBEDATE, YOSHIHIKO, JP  
[72] YAGUCHI, TOSHIO, JP  
[72] IMAI, SAKIKO, JP  
[72] SUGAI, KATSUO, JP  
[72] YAMAKAWA, RYUJI, JP  
[72] KOJIMA, SHINKICHI, JP  
[71] ADERANS CO., LTD., JP  
[22] 2000-10-17  
[43] 2001-10-19  
[30] JP (2000-117867) 2000-04-19  
[30] JP (2000-232093) 2000-07-31

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[21] **2,324,042**  
[13] A1  
[51] **Int.Cl. 7B29C 47/20 7B29C 47/78**  
[25] EN  
[54] **PRODUCTION OF STRETCH PLASTIC FILM**  
[54] **METHODE DE PRODUCTION DE FILM ETIRABLE EN PLASTIQUE**  
[72] LAM, HERBERT, CA  
[72] TAMBER, HARINDER, CA  
[72] PLANETA, MIREK, CA  
[71] MACRO ENGINEERING & TECHNOLOGY INC., CA  
[22] 2000-10-23  
[43] 2001-10-17  
[30] US (09/551,989) 2000-04-17

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[21] **2,325,152**  
[13] A1  
[51] **Int.Cl. 7G06F 1/16 7G06F 19/00**  
[25] EN  
[54] **INSULATED MOBILE COMPUTER**  
[54] **ORDINATEUR MAINS LIBRES ISOLE PORTE SUR SOI**  
[72] NEWMAN, EDWARD G., US  
[72] JENKINS, MICHAEL D., US  
[71] XYBERNAUT CORPORATION, US  
[22] 2000-11-06  
[43] 2001-10-17  
[30] US (09/550,133) 2000-04-17

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[21] **2,325,189**  
[13] A1  
[51] **Int.Cl. 7E06B 1/36 7E04B 7/00 7E04C 3/02 7E06B 3/04**  
[25] EN  
[54] **CONTAINMENT FRAMING SYSTEM**  
[54] **ELEMENT STRUCTURAL D'ETANCHEITE**  
[72] SANTAVICCA, PIETRO N., US  
[71] ROUGH BROTHERS, INC., US  
[22] 2000-11-07  
[43] 2001-10-20  
[30] US (09/553,008) 2000-04-20

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[21] **2,326,241**  
[13] A1  
[51] **Int.Cl. 7F24F 13/20**  
[25] EN  
[54] **ULTIMATE VENT**  
[54] **EVENT SUPREME**  
[72] TOCHER, JOHN WILLIAM, CA  
[71] TOCHER, JOHN WILLIAM, CA  
[22] 2000-11-30  
[43] 2001-10-14

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[21] **2,326,301**  
[13] A1  
[51] **Int.Cl. 7G05B 19/418 7H05K 13/00 7G01V 15/00 7G01V 3/12**  
[25] EN  
[54] **AUTOMATED MANUFACTURING CONTROL SYSTEM**  
[54] **SYSTEME AUTOMATISE DE CONTROLE DE LA PRODUCTION**  
[72] DUBOIS, VINCENT, CA  
[72] CORRIVEAU, ANDRE, CA  
[72] MONETTE, FRANCOIS, CA  
[71] COGISCAN INC., CA  
[22] 2000-11-17  
[43] 2001-10-20  
[30] CA (2,306,304) 2000-04-20  
[30] CA (2,321,009) 2000-09-27

**Demandes canadiennes mises à la disponibilité du public**  
**14 octobre 2001 - 23 octobre 2001**

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[21] **2,326,859**  
[13] A1

[51] **Int.Cl. 7F24C 15/16 7A47J 37/08**  
[25] EN  
[54] **TOASTER OVEN WITH LOWERED SUPPORT RACK AND REFLECTOR DIFFUSER**  
[54] **FOUR GRILLE-PAIN AVEC GRILLE ABAISSEE ET DIFFUSEUR DE REFLEXION**  
[72] CHASEN, JAMES E., US  
[71] HP INTELLECTUAL CORP., US  
[22] 2000-11-21  
[43] 2001-10-18  
[30] US (09/551,815) 2000-04-18

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[21] **2,326,885**  
[13] A1

[51] **Int.Cl. 7F28C 1/00**  
[25] EN  
[54] **EXHAUST GAS COOLING SYSTEM**  
[54] **SYSTEME DE REFROIDISSEMENT DE GAZ D'ECHAPPEMENT**  
[72] IJIMA, MASAKI, JP  
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP  
[22] 2000-11-24  
[43] 2001-10-17  
[30] JP (2000-115379) 2000-04-17

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[21] **2,327,640**  
[13] A1

[51] **Int.Cl. 7A61N 1/18**  
[25] EN  
[54] **GASTROINTESTINAL ELECTRICAL STIMULATOR HAVING A VARIABLE ELECTRICAL STIMULUS**  
[54] **STIMULATEUR ELECTRIQUE GASTROINTESTINAL A EXCITATION ELECTRIQUE VARIABLE**  
[72] MINTCHEV, MARTIN P., CA  
[72] BOWES, KENNETH L., CA  
[71] UNIVERSITY TECHNOLOGIES INTERNATIONAL INC., CA  
[22] 2000-12-06  
[43] 2001-10-14  
[30] US (09/550,086) 2000-04-14

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[21] **2,328,019**  
[13] A1

[51] **Int.Cl. 7B62D 25/06**  
[25] EN  
[54] **ONE PIECE MOLDED ROOF FOR A VEHICLE CAB**  
[54] **TOIT MOULE D'UNE PIECE POUR CABINE DE VEHICULE**  
[72] FRYK, BRUCE KEVIN, US  
[72] BOYCE, DEAN ARDEN, US  
[72] BARTZ, SHAWN MICHAEL, US  
[71] DEERE & COMPANY, US  
[22] 2000-12-12  
[43] 2001-10-18  
[30] US (09/550,822) 2000-04-18

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[21] **2,331,195**  
[13] A1

[51] **Int.Cl. 7E21B 33/06**  
[25] EN  
[54] **IMPROVED VARIABLE BORE RAM PACKER FOR TAPERED TUBULAR MEMBERS IN A RAM TYPE BLOWOUT PREVENTER**  
[54] **GARNITURE D'ETANCHEITE AMELIOREE ET VARIABLE POUR LA MACHOIRE DE FORAGE CONIQUE D'UN BLOC OBTURATEUR**  
[72] WATTS, GERALD D., US  
[71] COOPER CAMERON CORPORATION, US  
[22] 2001-01-17  
[43] 2001-10-14  
[30] US (09/550,403) 2000-04-14

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[21] **2,331,667**  
[13] A1

[51] **Int.Cl. 7B08B 15/02 7E06B 5/10**  
[25] EN  
[54] **LABORATORY FUME HOOD CONTROL APPARATUS HAVING ROTARY SASH DOOR POSITION SENSOR**  
[54] **APPAREIL DE COMMANDE DE HOTTE DE LABORATOIRE AVEC CAPTEUR DE POSITION DE PORTE VITREE TOURNANTE**  
[72] THRELFALL, ROBERT GORDEN, US  
[71] SIEMENS BUILDING TECHNOLOGIES, INC., US  
[22] 2001-01-19  
[43] 2001-10-17  
[30] US (09/550,455) 2000-04-17

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[21] **2,332,207**  
[13] A1

[51] **Int.Cl. 7E21C 41/26**  
[25] EN  
[54] **MOBILE FACILITY AND PROCESS FOR MINING TAR SAND ORE AND RECOVERING BITMEN THEREFROM**  
[54] **INSTALLATION MOBILE ET PROCEDE D'EXTRACTION DE SABLE ASPHALTIQUE ET DE RECUPERATION CONNEXE DE BITUME**  
[72] KAETHLER, HARRY, CA  
[72] LAVENDER, WILLIAM J., CA  
[71] TSC COMPANY LTD., CA  
[22] 2001-01-24  
[43] 2001-10-14  
[30] CA (2,315,596) 2000-08-04

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[21] **2,334,103**  
[13] A1

[51] **Int.Cl. 7C12N 1/18 7A21D 8/04 7A21D 13/08**  
[25] EN  
[54] **A METHOD FOR INTRODUCING RECESSIVE PROPERTIES INTO THE GENETIC BACKGROUND OF INDUSTRIAL BAKER'S YEAST**  
[54] **METHODE POUR INTRODUIRE DES PROPRIETES RECESSIVES DANS LA COMPOSITION GENETIQUE DE LA LEVURE DE BOULANGERIE INDUSTRIELLE**  
[72] NIEDERBERGER, PETER, CH  
[72] GYSLER, CHRISTOF, CH  
[71] SOCIETE DES PRODUITS NESTLE S.A., CH  
[22] 2001-02-02  
[43] 2001-10-20  
[30] EP (00 108 636.2) 2000-04-20

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[21] **2,334,261**  
[13] A1

[51] **Int.Cl. 7E05B 45/06 7G08B 7/06**  
[25] EN  
[54] **LOCKED SHUT DOWN WITH REMOTE MONITORING OF LARGE EQUIPMENT**  
[54] **DISPOSITIF D'ARRET VERROUILLE AVEC CONTROLE A DISTANCE D'UN GROS EQUIPEMENT**  
[72] ABEL, JERRY, CA  
[71] ABEL, JERRY, CA  
[22] 2001-02-05  
[43] 2001-10-19  
[30] US (09/552,732) 2000-04-19

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Canadian Laid-Open Applications  
October 14, 2001 - October 23, 2001

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[21] **2,334,420**  
[13] A1  
[51] **Int.Cl. 7B05D 1/02 7B05D 3/00 7B05D 5/00 7B05D 7/14**  
[25] EN  
[54] **PROCESS FOR THE MULTI-LAYER REPAIR COATING OF SUBSTRATES**  
[54] **PROCEDE DE REMISE EN ETAT DE LA SURFACE DE SUBSTRATS A L'AIDE D'UN REVETEMENT MULTICOUCHE**  
[72] BERSCHEL, GUENTER, DE  
[72] DUDA, ANDREW, DE  
[72] FEYRER, WOLFGANG, DE  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[22] 2001-02-06  
[43] 2001-10-17  
[30] US (09/549,428) 2000-04-17

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[21] **2,335,197**  
[13] A1  
[51] **Int.Cl. 7E03D 11/00**  
[25] EN  
[54] **CONNECTION BETWEEN THE INTAKE END OF A DISCHARGE PIPE AND THE OUTLET END OF A CONNECTING CURVE OF A WATER TOILET**  
[54] **RACCORD ENTRE L'ORIFICE D'ENTREE D'UN TUYAU DE DECHARGE ET L'ORIFICE DE SORTIE DU COUDE DE RACCORDEMENT D'UNE TOILETTE A EAU**  
[72] VON BALLMOOS, MARIO, CH  
[72] SCHMUCKI, PETER, CH  
[71] GEBERIT TECHNIK AG, CH  
[22] 2001-02-09  
[43] 2001-10-17  
[30] CH (761/00) 2000-04-17

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[21] **2,335,263**  
[13] A1  
[51] **Int.Cl. 7C08J 9/14 7C08F 114/06 7C08J 9/06**  
[25] EN  
[54] **PVC FOAM**  
[54] **MOUSSE EN PVC**  
[72] ZERAFATI, SAEID, US  
[72] TRAN, MICHAEL Q., US  
[72] CROOKER, RICHARD M., US  
[72] WU, JINHUANG, US  
[71] ATOFINA CHEMICALS, INC., US  
[22] 2001-02-12  
[43] 2001-10-19  
[30] US (09/552,054) 2000-04-19

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[21] **2,337,674**  
[13] A1  
[51] **Int.Cl. 7H04L 12/56**  
[25] EN  
[54] **SWITCHING ARRANGEMENT AND METHOD**  
[54] **DISPOSITIF ET TECHNIQUE DE COMMUTATION**  
[72] MINKENBERG, CYRIEL, CH  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2001-02-22  
[43] 2001-10-20  
[30] EP (00108676.8) 2000-04-20

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[21] **2,337,701**  
[13] A1  
[51] **Int.Cl. 7H04B 1/16**  
[25] EN  
[54] **MULTIPLE BRANCH RECEIVER SYSTEM AND METHOD**  
[54] **SYSTEME ET METHODE DE RECEPTION PAR EMBRANCHEMENTS MULTIPLES**  
[72] KOLSRUD, ARILD, US  
[72] KAMINSKI, WALTER JOSEPH, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2001-02-22  
[43] 2001-10-14  
[30] US (09/549,919) 2000-04-14

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[21] **2,337,714**  
[13] A1  
[51] **Int.Cl. 7H04B 1/16**  
[25] EN  
[54] **RECEIVER SYSTEM USING ANALOG TO DIGITAL CONVERSION AT RADIO FREQUENCY AND METHOD**  
[54] **SYSTEME RECEPTEUR UTILISANT LA CONVERSION ANALOGIQUE-NUMERIQUE A UNE FREQUENCE RADIO ET METHODE DE FONCTIONNEMENT**  
[72] KAMINSKI, WALTER JOSEPH, US  
[72] KOLSRUD, ARILD, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2001-02-22  
[43] 2001-10-14  
[30] US (09/548,995) 2000-04-14

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[21] **2,337,742**  
[13] A1  
[51] **Int.Cl. 7H04L 29/02 7H04B 10/20**  
[25] EN  
[54] **HYPER-CONCATENATION ACROSS MULTIPLE PARALLEL CHANNELS**  
[54] **HYPER-CONCATENATION POUR CANAUX PARALLELES MULTIPLES**  
[72] GAGNON, RONALD J., CA  
[72] ROBERTS, KIM B., CA  
[71] NORTEL NETWORKS LIMITED, CA  
[22] 2001-02-22  
[43] 2001-10-19  
[30] US (09/552,593) 2000-04-19

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[21] **2,337,780**  
[13] A1  
[51] **Int.Cl. 7G06F 19/00 7G06F 17/60**  
[25] EN  
[54] **LOCATION-BASED VEHICLE RISK ASSESSMENT SYSTEM**  
[54] **SYSTEME D'EVALUATION DES RISQUES SELON LA POSITION DES VEHICULES**  
[72] JONES, STEVEN PAUL, US  
[72] BATES, CARY LEE, US  
[72] NELSON, ERIC JOHN, US  
[72] SANTOSUOSSO, JOHN MATTHEW, US  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2001-02-15  
[43] 2001-10-20  
[30] US (09/533,010) 2000-04-20

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[21] **2,338,402**  
[13] A1  
[51] **Int.Cl. 7E04D 13/064**  
[25] EN  
[54] **COMPOSITE GUTTER GUARD**  
[54] **PROTEGE-GOUTTIERE EN COMPOSITE**  
[72] DAVIS, HARRY H., US  
[71] L.B. PLASTICS LIMITED, GB  
[22] 2001-02-20  
[43] 2001-10-17  
[30] US (60/197,454) 2000-04-17

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**Demandes canadiennes mises à la disponibilité du public**  
**14 octobre 2001 - 23 octobre 2001**

[21] **2,338,409**  
[13] A1

[51] **Int.Cl. 7G01L 1/24**  
[25] EN  
[54] **PATCH TYPE OPTICAL FIBER SENSOR**  
[54] **CAPTEUR A FIBRE OPTIQUE SOUS FORME D'EMPLATRE**  
[72] SUGAI, EIICHI, JP  
[72] SUGITA, ETSUJI, JP  
[72] YOSHIDA, KOJI, JP  
[71] NTT ADVANCED TECHNOLOGY CORPORATION, JP  
[22] 2001-02-26  
[43] 2001-10-17  
[30] JP (114542/2000) 2000-04-17

[21] **2,338,471**  
[13] A1

[51] **Int.Cl. 7H04J 11/00 7H04Q 7/36 7H04B 1/76**  
[25] EN  
[54] **BASE STATION IDENTIFICATION IN ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING BASED SPREAD SPECTRUM MULTIPLE ACCESS SYSTEMS**  
[54] **IDENTIFICATION DE STATION DE BASE DANS DES SYSTEMES A ACCES MULTIPLE PAR ETALEMENT DU SPECTRE BASES SUR LE MULTIPLEXAGE PAR REPARTITION ORTHOGONALE DE LA FREQUENCE**  
[72] RANGAN, SUNDEEP, US  
[72] LI, JUNYI, US  
[72] VISWANATH, PRAMOD, US  
[72] LAROIA, RAJIV, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2001-02-27  
[43] 2001-10-18  
[30] US (09/551,078) 2000-04-18

[21] **2,338,479**  
[13] A1

[51] **Int.Cl. 7G01B 9/02 7H01L 21/469**  
[25] EN  
[54] **SELF REFERENCING MARK INDEPENDENT ALIGNMENT SENSOR**  
[54] **DETECTEUR D'ALIGNEMENT AUTO-REFERENCE INDEPENDANT DES MARQUES**  
[72] KREUZER, JUSTIN L., US  
[71] SVG LITHOGRAPHY SYSTEMS, INC., US  
[22] 2001-02-27  
[43] 2001-10-20  
[30] US (09/553,270) 2000-04-20

[21] **2,338,615**  
[13] A1

[51] **Int.Cl. 7G01S 5/14**  
[25] EN  
[54] **OBTAINING PILOT PHASE OFFSET TIME DELAY PARAMETER FOR A WIRELESS TERMINAL OF AN INTEGRATED WIRELESS-GLOBAL POSITIONING SYSTEM**  
[54] **OBTENTION DU PARAMETRE DE DECALAGE EN RETARD DE LA PHASE PILOTE POUR UN TERMINAL SANS FIL D'UN SYSTEME DE POSITIONNEMENT MONDIAL INTEGRE SANS FIL**  
[72] DA, REN, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2001-02-27  
[43] 2001-10-20  
[30] US (09/552,898) 2000-04-20

[21] **2,338,951**  
[13] A1

[51] **Int.Cl. 7H02G 3/14 7G08B 1/08**  
[25] EN  
[54] **FASTENERLESS CONNECTION FOR OUTPUT DEVICE**  
[54] **CONNEXION SANS ATTACHE POUR DISPOSITIF DE SORTIE**  
[72] DAVIDSON, CURTIS R., US  
[71] PITTSWAY CORPORATION, US  
[22] 2001-03-01  
[43] 2001-10-20  
[30] US (09/553,578) 2000-04-20

[21] **2,339,515**  
[13] A1

[51] **Int.Cl. 7H04B 1/713 7H04J 11/00 7H04B 7/208 7H04B 1/76**  
[25] EN  
[54] **PILOT USE IN ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING BASED SPREAD SPECTRUM MULTIPLE ACCESS SYSTEMS**  
[54] **UTILISATION D'ONDES PILOTES DANS DES SYSTEMES A ACCES MULTIPLE PAR ETALEMENT DU SPECTRE BASES SUR LE MULTIPLEXAGE PAR REPARTITION ORTHOGONALE DE LA FREQUENCE**  
[72] UPPALA, SATHYADEV VENKATA, US  
[72] LI, JUNYI, US  
[72] LAROIA, RAJIV, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2001-03-05  
[43] 2001-10-18  
[30] US (09/551,791) 2000-04-18

[21] **2,339,756**  
[13] A1

[51] **Int.Cl. 7H04B 10/17 7H01S 5/04 7H04J 14/08**  
[25] EN  
[54] **TIME-DIVISION MULTIPLEXED PUMP WAVELENGTHS RESULTING IN ULTRA BROAD BAND, FLAT, BACKWARD PUMPED RAMAN GAIN**  
[54] **PRODUCTION D'UN GAIN RAMAN DE POMPE VERS L'ARRIERE UNIFORME DANS UNE BANDE ULTRA-LARGE A PARTIR DES LONGUEURS D'ONDE D'UNE POMPE A MULTIPLEXAGE PAR REPARTITION DANS LE TEMPS**  
[72] MOLLENAUER, LINN FREDERICK, US  
[72] MAMYSHEV, PAVEL VIKTOROVICH, US  
[72] GRANT, ANDREW R., US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2001-03-02  
[43] 2001-10-20  
[30] US (09/552,772) 2000-04-20

[21] **2,339,759**  
[13] A1

[51] **Int.Cl. 7H04M 3/42 7H04M 3/56**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PROVIDING TELEPHONY SERVICES BY SWITCH-BASED PROCESSING OF MEDIA STREAMS**  
[54] **METHODE ET APPAREIL DE FOURNITURE DE SERVICES TELEPHONIQUES AU MOYEN D'UN TRAITEMENT PAR COMMUTATEUR DE FLUX TRANSMIS SUR UN SUPPORT**  
[72] CARROLL, MARTIN D., US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2001-03-02  
[43] 2001-10-14  
[30] US (09/549,641) 2000-04-14

[21] **2,339,808**  
[13] A1

[51] **Int.Cl. 7A45D 29/00**  
[25] EN  
[54] **ARTIFICIAL NAIL HOLDER FOR ADVANCED PREPARATION**  
[54] **SUPPORT D'ONGLE ARTIFICIEL POUR PREPARATION A L'AVANCE**  
[72] FELSKE, INGRID, CA  
[71] FELSKE, INGRID, CA  
[22] 2001-03-13  
[43] 2001-10-20  
[30] US (29/122,158) 2000-04-20  
[30] US (09/553,106) 2000-04-20

Canadian Laid-Open Applications  
October 14, 2001 - October 23, 2001

[21] **2,340,541**  
[13] A1

[51] **Int.Cl. 7B60D 1/28**  
[25] EN  
[54] **TRAILER SECURITY DEVICE**  
[54] **DISPOSITIF DE SECURITE POUR REMORQUE**  
[72] BERNSTROM, JOHN C., US  
[71] BERNSTROM, JOHN C., US  
[22] 2001-03-13  
[43] 2001-10-18  
[30] US (09/552,442) 2000-04-18

[21] **2,340,560**  
[13] A1

[51] **Int.Cl. 7H04N 1/60 7G06T 9/00**  
[25] EN  
[54] **PROCESS FOR PRODUCING AN ELECTRONIC COLOR INFORMATION DATA FILE AND PROCESS FOR COLOR COMMUNICATION**  
[54] **PROCEDE DE PRODUCTION D'UN FICHER ELECTRONIQUE DE DONNEES RELATIVES A DES ECHANTILLONS DE COULEURS ET PROCEDE DE TRANSMISSION DE DONNEES RELATIVES A DES ECHANTILLONS DE COULEURS**  
[72] GRETER, SIMON, CH  
[72] LAMY, FRANCIS, US  
[72] BRAUN, THORSTEN, DE  
[72] SENN, THOMAS, CH  
[71] GRETAG-MACBETH AG, CH  
[22] 2001-03-13  
[43] 2001-10-18  
[30] EP (00 107 983.9) 2000-04-18

[21] **2,340,564**  
[13] A1

[51] **Int.Cl. 7B65G 17/16**  
[25] EN  
[54] **IMPROVEMENT IN BUCKET ELEVATOR**  
[54] **ELEVATEUR A GODETS AMELIORE**  
[72] DORCEL, KNAPP WARREN, US  
[71] THE ESSUMUELLER COMPANY, INC., US  
[22] 2001-03-13  
[43] 2001-10-19  
[30] US (09/553,136) 2000-04-19

[21] **2,340,575**  
[13] A1

[51] **Int.Cl. 7B62D 63/08**  
[25] EN  
[54] **SEMI-TRACTOR FIFTH WHEEL SENSOR AND RAIL CAR STANCHION**  
[54] **DETECTEUR DE SELLETTE D'ATTELAGE DE SEMI-TRACTEUR ET DETECTEUR DE CHEVALET D'ARRIMAGE D'AUTORAIL POUR REMORQUE**  
[72] BROWN, JAMES B., JR., US  
[71] WABASH TECHNOLOGY CORPORATION, US  
[22] 2001-03-13  
[43] 2001-10-20  
[30] US (09/553,490) 2000-04-20

[21] **2,341,310**  
[13] A1

[51] **Int.Cl. 7E01H 5/06 7E02F 3/76**  
[25] EN  
[54] **LATERAL PLOUGH**  
[54] **CHARRUE LATERALE**  
[72] CORDINGLEY, DONALD GEORGE, CA  
[71] CORDINGLEY, DONALD GEORGE, CA  
[22] 2001-03-20  
[43] 2001-10-18  
[30] US (09/551,879) 2000-04-18

[21] **2,341,332**  
[13] A1

[51] **Int.Cl. 7B60B 35/02**  
[25] EN  
[54] **ONE PIECE TRAILING ARM FOR TORSIONAL SPRINGS**  
[54] **BRAS LONGITUDINAL MONOPIECE POUR RESSORTS DE TORSION**  
[72] MCLAUGHLIN, RONALD J., US  
[71] THE PULLMAN COMPANY, US  
[22] 2001-03-16  
[43] 2001-10-14  
[30] US (09/549,796) 2000-04-14

[21] **2,341,356**  
[13] A1

[51] **Int.Cl. 7C12N 15/62 7A61K 48/00 7C07K 19/00 7A61P 35/00 7C07K 14/065 7A61K 39/275 7C12N 15/39 7A61K 47/48 7C12N 15/63**  
[25] EN  
[54] **POXVIRUS WITH TARGETED INFECTION SPECIFICITY**  
[54] **POXVIRUS SPECIFIQUE D'UNE INFECTION CIBLEE**  
[72] GEIST, MICHEL, FR  
[72] PAUL, STEPHANE, FR  
[72] BALLOUL, JEAN-MARC, FR  
[71] TRANSGENE S.A., FR  
[22] 2001-04-10  
[43] 2001-10-14  
[30] EP (00440109.7) 2000-04-14  
[30] US (60/246,080) 2000-07-07  
[30] EP (01440009.7) 2001-01-22

[21] **2,341,799**  
[13] A1

[51] **Int.Cl. 7E05B 65/14 7B60R 16/02 7B62D 63/08**  
[25] EN  
[54] **DOOR SENSOR FOR A TRAILER**  
[54] **DETECTEUR DE PORTE POUR REMORQUE**  
[72] BROWN, JAMES B., JR., US  
[71] WABASH TECHNOLOGY CORPORATION, US  
[22] 2001-03-21  
[43] 2001-10-20  
[30] US (09/557,030) 2000-04-20

[21] **2,341,800**  
[13] A1

[51] **Int.Cl. 7B60K 23/00 7F16H 59/02**  
[25] EN  
[54] **TRANSMISSION LOCK**  
[54] **MECANISME DE BLOCAGE DE TRANSMISSION**  
[72] SPENCER, JOSEPH C., US  
[71] DOUGLAS AUTOTECH CORP., US  
[22] 2001-03-22  
[43] 2001-10-15  
[30] US (09/551,983) 2000-04-15

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**14 octobre 2001 - 23 octobre 2001**

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[21] **2,341,821**  
[13] A1

[51] **Int.Cl. 7G06F 19/00**  
[25] EN  
[54] **HARDWARE AUTHENTICATION SYSTEM AND METHOD**  
[54] **SYSTEME ET METHODE D'AUTHENTIFICATION DE MATERIEL**  
[72] ROBERTS, DAVID KEIR, CA  
[71] MITEL KNOWLEDGE CORPORATION, CA  
[22] 2001-03-22  
[43] 2001-10-18  
[30] GB (0009618.0) 2000-04-18

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[21] **2,341,843**  
[13] A1

[51] **Int.Cl. 7B62D 33/06**  
[25] EN  
[54] **OPERATOR ENCLOSURE FOR AN AGRICULTURAL TRACTOR**  
[54] **CABINE DE CONDUCTEUR POUR TRACTEUR AGRICOLE**  
[72] JUREK, RONALD LEE, US  
[72] FRYK, BRUCE KEVIN, US  
[72] KACZMARCZYK, EDWARD TED, US  
[71] VAUGHN, BENNIE JOE, CA  
[71] DEERE & COMPANY, US  
[22] 2001-03-23  
[43] 2001-10-18  
[30] US (09/550,823) 2000-04-18

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[21] **2,342,277**  
[13] A1

[51] **Int.Cl. 7C12N 15/10 7C12P 19/34 7C12Q 1/68**  
[25] EN  
[54] **HIGH TEMPERATURE REVERSE TRANSCRIPTION USING MUTANT DNA POLYMERASES**  
[54] **TRANSCRIPTION INVERSE A HAUTE TEMPERATURE AU MOYEN D'ADN POLYMERASES MUTANTES**  
[72] SMITH, EDWARD SOH, US  
[72] ELFSTROM, CARITA MARIA, US  
[72] HIGUCHI, RUSSELL GENE, US  
[72] MYERS, THOMAS WILLIAM, US  
[72] GELFAND, DAVID HARROW, US  
[72] SCHONBRUNNER, NANCY JENEANE, US  
[72] WANG, ALICE MING, US  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[22] 2001-04-12  
[43] 2001-10-18  
[30] US (60/198,336) 2000-04-18

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[21] **2,342,382**  
[13] A1

[51] **Int.Cl. 7F16K 51/00**  
[25] EN  
[54] **IMPROVED SNUFFBACK VALVE FOR HOT MELT ADHESIVE**  
[54] **VANNE MODULANTE AMELIOREE POUR ADHESIF FONDU A CHAUD**  
[72] BOLYARD, EDWARD W., JR., US  
[72] BAUER, MARK D., US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2001-03-28  
[43] 2001-10-17  
[30] US (09/550,884) 2000-04-17

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[21] **2,342,397**  
[13] A1

[51] **Int.Cl. 7C12N 15/10 7C07H 21/00 7C07K 16/00 7C12P 21/00 7C12N 5/10 7C12N 15/63**  
[25] EN  
[54] **GENES FROM A GENE CLUSTER**  
[54] **GENES D'UNE BATTERIE DE GENES**  
[72] YOSHIKAWA, HIROJI, JP  
[72] ONO, CHIHO, JP  
[72] ABE, YUKI, JP  
[71] SANKYO COMPANY LIMITED, JP  
[22] 2001-04-17  
[43] 2001-10-18  
[30] JP (2000-116591) 2000-04-18  
[30] JP (2000-117458) 2000-04-19

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[21] **2,342,446**  
[13] A1

[51] **Int.Cl. 7B23P 21/00 7B62D 65/18**  
[25] EN  
[54] **ROBOTIC TURNTABLE**  
[54] **PLATEAU ROTATIF ROBOTISE**  
[72] ANGEL, JEFFREY R., US  
[71] PROGRESSIVE TOOL & INDUSTRIES CO., US  
[22] 2001-03-29  
[43] 2001-10-18  
[30] US (60/197,614) 2000-04-18

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[21] **2,342,477**  
[13] A1

[51] **Int.Cl. 7G02F 1/03 7H04B 10/18**  
[25] EN  
[54] **METHOD AND DEVICE FOR CONTROLLING THE POLARIZATION OF A BEAM OF LIGHT**  
[54] **METHODE ET DISPOSITIF DE REGULATION DE LA POLARISATION D'UN FAISCEAU LUMINEUX**  
[72] TRZECIESKI, MIKE, CA  
[72] TAGER, ALEX, CA  
[72] MERCHANT, CLARK, CA  
[72] ALLARD, LOUIS, CA  
[71] JDS UNIPHASE INC., CA  
[22] 2001-03-29  
[43] 2001-10-20  
[30] US (60/198,574) 2000-04-20  
[30] US (09/652,795) 2000-08-31

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[21] **2,342,482**  
[13] A1

[51] **Int.Cl. 7C12Q 1/68 7C12N 15/10 7C12P 19/34**  
[25] EN  
[54] **PROCESS FOR FINDING OLIGONUCLEOTIDE SEQUENCES FOR NUCLEIC ACID AMPLIFICATION METHODS**  
[54] **PROCEDE DE RECONNAISSANCE DE SEQUENCES D'OLIGONUCLEOTIDES POUR DES METHODES D'AMPLIFICATION D'ACIDES NUCLEIQUES**  
[72] WEIMER, THOMAS, DE  
[71] AVENTIS BEHRING GMBH, DE  
[22] 2001-04-12  
[43] 2001-10-14  
[30] DE (100 18 901.6) 2000-04-14  
[30] DE (100 24 830.6) 2000-05-19

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[21] **2,342,504**  
[13] A1

[51] **Int.Cl. 7B65D 30/02 7B65D 35/00**  
[25] EN  
[54] **PACKING MATERIAL FOR MORTAR COMPOSITIONS**  
[54] **MATERIAU D'EMBALLAGE POUR MELANGES ~ MORTIER**  
[72] GROSS, JOAN, DE  
[72] SIEBER, ROLAND, DE  
[72] GINTER, HERBERT, DE  
[71] HILTI AKTIENGESELLSCHAFT, LI  
[22] 2001-03-29  
[43] 2001-10-18  
[30] DE (100 19 072.3) 2000-04-18

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October 14, 2001 - October 23, 2001

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[21] **2,342,526**  
[13] A1  
[51] **Int.Cl. 7A21D 13/08 7A23G 3/00**  
[25] EN  
[54] **SAVOURY SNACK PRODUCT**  
[54] **FRIANDISE SAVOUREUSE**  
[72] SCHNEIDER, KLAUS, DE  
[72] LINGK, JOCHEN, DE  
[71] SOCIETE DES PRODUITS NESTLE  
S.A., CH  
[22] 2001-03-30  
[43] 2001-10-17  
[30] EP (00108358.3) 2000-04-17

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[21] **2,342,567**  
[13] A1  
[51] **Int.Cl. 7H05G 2/00**  
[25] EN  
[54] **PHOTON GENERATOR**  
[54] **GENERATEUR DE PHOTONS**  
[72] SRINIVASAN-RAO, TRIVENI, US  
[71] BROOKHAVEN SCIENCE  
ASSOCIATES, US  
[22] 2001-04-03  
[43] 2001-10-17  
[30] US (09/551,236) 2000-04-17

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[21] **2,342,590**  
[13] A1  
[51] **Int.Cl. 7H04M 1/725 7H04Q 7/32**  
[25] EN  
[54] **PORTABLE TELEPHONE**  
[54] **TELEPHONE PORTABLE**  
[72] NAKAE, KAZUAKI, JP  
[72] KATO, MAKOTO, JP  
[71] SANYO ELECTRIC CO., LTD., JP  
[22] 2001-04-03  
[43] 2001-10-14  
[30] JP (2000-113716) 2000-04-14

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[21] **2,342,643**  
[13] A1  
[51] **Int.Cl. 7C10L 10/06**  
[25] EN  
[54] **SOLID COMBUSTIBLE ELEMENT  
FOR DISINTEGRATING A  
COMBUSTION DEPOSIT LAYER AND  
METHOD FOR PRODUCING SUCH AN  
ELEMENT**  
[54] **ELEMENT COMBUSTIBLE  
SOLIDE POUR DESINTEGRER UNE  
COUCHE DE DEPOTS DE  
COMBUSTION ET METHODE POUR  
PRODUIRE UN TEL ELEMENT**  
[72] LEFEVRE, CHRISTOPHE, BE  
[71] NV BEHOKO, BE  
[22] 2001-03-29  
[43] 2001-10-17  
[30] BE (2000/0279) 2000-04-17

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[21] **2,342,663**  
[13] A1  
[51] **Int.Cl. 7B65H 5/00**  
[25] EN  
[54] **INSTALLATION FOR THE  
PROCESSING OF PIECE GOODS**  
[54] **INSTALLATION DE  
TRANSFORMATION DE  
MARCHANDISES A LA PIECE**  
[72] RAMSEIER, MARCEL, CH  
[71] FERAG AG, CH  
[22] 2001-03-30  
[43] 2001-10-14  
[30] CH (CH 00 745/00) 2000-04-14

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[21] **2,342,694**  
[13] A1  
[51] **Int.Cl. 7B61D 17/12**  
[25] EN  
[54] **LIGHTWEIGHT BOXCAR ROOF**  
[54] **TOIT DE WAGON COUVERT DE  
FAIBLE MASSE**  
[72] BELL, EDWARD A., US  
[71] STANRAIL CORPORATION, US  
[22] 2001-04-04  
[43] 2001-10-19  
[30] US (09/552,051) 2000-04-19

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[21] **2,342,948**  
[13] A1  
[51] **Int.Cl. 7C12N 15/31 7A61K 39/00  
7C12N 1/14**  
[25] EN  
[54] **ATTENUATED VACCINE FOR  
BLASTOMYCES DERMATITIDIS**  
[54] **VACCIN ATTENUUE CONTRE  
BLASTOMYCES DERMATITIDIS**  
[72] BRANDHORST, THEODORE T., US  
[72] WUTHRICH, MARCEL, US  
[72] KLEIN, BRUCE S., US  
[71] WISCONSIN ALUMNI RESEARCH  
FOUNDATION, US  
[22] 2001-04-17  
[43] 2001-10-17  
[30] US (09/551,167) 2000-04-17

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[21] **2,342,953**  
[13] A1  
[51] **Int.Cl. 7H01Q 5/00 7H01P 3/06**  
[25] FR  
[54] **ELEMENT RAYONNANT  
HYPERFREQUENCE BI-BANDE**  
[54] **DUAL-BAND MICROWAVE  
ANTENNA ELEMENT**  
[72] CAILLE, GERARD, FR  
[72] GOMEZ-HENRY, MICHEL, FR  
[71] ALCATEL, FR  
[22] 2001-03-29  
[43] 2001-10-20  
[30] FR (00 05 091) 2000-04-20

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[21] **2,342,999**  
[13] A1  
[51] **Int.Cl. 7B05B 1/18 7E03C 1/04**  
[25] EN  
[54] **PULLOUT HAND-HELD SHOWER**  
[54] **DOUCHE A MAIN EXTENSIBLE**  
[72] MCCORMICK, CHARLES ALLEN,  
US  
[72] NASR, NAGIB, US  
[72] SMITH, WILLIAM DAVIS JR., US  
[72] GRIFFIN, JOHN ADAM, US  
[71] MOEN INCORPORATED, US  
[22] 2001-03-30  
[43] 2001-10-20  
[30] US (09/553,272) 2000-04-20

**Demandes canadiennes mises à la disponibilité du public**  
**14 octobre 2001 - 23 octobre 2001**

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[21] **2,343,003**  
[13] A1

[51] **Int.Cl. 7F16K 27/00 7F16K 11/065**  
[25] EN  
[54] **FAUCET MIXING VALVE HOUSING WITH CHECK VALVES AND FILTER**  
[54] **LOGEMENT DE VANNE DE MELANGE DE ROBINET AINSI QUE CLAPET DE NON-RETOUR ET FILTRE**  
[72] HALL, DAVID C., US  
[72] MARCICHOW, MARTIN E., US  
[71] SLOAN VALVE COMPANY, US  
[22] 2001-03-30  
[43] 2001-10-14  
[30] US (09/549,731) 2000-04-14

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[21] **2,343,490**  
[13] A1

[51] **Int.Cl. 7C08L 83/04 7C09J 183/04**  
[25] EN  
[54] **SELF-ADHESIVE ADDITION-CROSSLINKING SILICONE COMPOSITIONS**  
[54] **COMPOSITIONS DE SILICONE D'ADDITION ET DE RETICULATION AUTO-ADHESIVES**  
[72] EBERL, GEORG, DE  
[72] MULLER, PHILIPP, DE  
[71] WACKER-CHEMIE GMBH, DE  
[22] 2001-04-03  
[43] 2001-10-20  
[30] DE (100 19 599.7) 2000-04-20

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[21] **2,343,583**  
[13] A1

[51] **Int.Cl. 7B27B 5/06**  
[25] EN  
[54] **A PROCESS FOR CUTTING OUT PANELS OR THE LIKE**  
[54] **PROCEDE DE DECOUPAGE DE PANNEAUX ET SURFACES SEMBLABLES**  
[72] TYCHSEN, DETLEF, DE  
[71] KRONOTEC AG, CH  
[22] 2001-04-09  
[43] 2001-10-18  
[30] DE (100 19 054.5) 2000-04-18

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[21] **2,343,345**  
[13] A1

[51] **Int.Cl. 7A63C 17/18 7A43B 5/16**  
[25] EN  
[54] **ADAPTER FOR CONVERTING IN-LINE ROLLER SKATES TO ICE SKATES**  
[54] **ADAPTATEUR SERVANT A TRANSFORMER DES PATINS A ROUES ALIGNEES EN PATINS A GLACE**  
[72] WHIPP, RENNY CARL, CA  
[71] WHIPP, RENNY CARL, CA  
[22] 2001-04-09  
[43] 2001-10-14  
[30] GB (0009151.2) 2000-04-14

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[21] **2,343,527**  
[13] A1

[51] **Int.Cl. 7G08B 29/00 7G08B 29/12**  
[25] EN  
[54] **BIDIRECTIONAL COMMUNICATION BETWEEN CONTROL ELEMENT AND ELECTRICAL DEVICES**  
[54] **COMMUNICATION BIDIRECTIONNELLE ENTRE UN ELEMENT DE CONTROLE ET DES DISPOSITIFS ELECTRIQUES**  
[72] SLATER, JAMES S., US  
[72] RAUWORTH, TIMOTHY A., US  
[72] JEN, HSING C., US  
[71] PITTSWAY CORPORATION, US  
[22] 2001-04-06  
[43] 2001-10-18  
[30] US (09/551,379) 2000-04-18

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[21] **2,343,602**  
[13] A1

[51] **Int.Cl. 7C12N 15/12 7G06F 17/00 7C07H 21/00 7C12P 21/02 7C12N 15/10 7C07K 16/18 7C07K 14/47**  
[25] EN  
[54] **EST'S AND ENCODED HUMAN PROTEINS**  
[54] **EST ET PROTEINES HUMAINES CODEES**  
[72] DUMAS MILNE EDWARDS, JEAN-BAPTISTE, FR  
[72] JOBERT, SEVERIN, FR  
[72] GIORDANO, JEAN-YVES, FR  
[72] TANAKA, HIROAKI, FR  
[72] BEJANIN, STEPHANE, FR  
[71] GENSET, FR  
[22] 2001-04-17  
[43] 2001-10-18  
[30] US (60/197,873) 2000-04-18

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[21] **2,343,347**  
[13] A1

[51] **Int.Cl. 7C08K 3/32 7C09D 5/18 7C08J 9/224 7C08K 3/28**  
[25] EN  
[54] **MELAMINE RESINE FOAM**  
[54] **MOUSSE DE MELAMINE**  
[72] THOM, ARND, DE  
[71] BASF AKTIENGESELLSCHAFT, DE  
[22] 2001-04-09  
[43] 2001-10-15  
[30] DE (10018768.4) 2000-04-15

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[21] **2,343,581**  
[13] A1

[51] **Int.Cl. 7A47H 23/00**  
[25] EN  
[54] **SHOWER CURTAIN CLOSURE**  
[54] **FERMETURE DE RIDEAU DE DOUCHE**  
[72] BRYCE, THOMAS W., CA  
[71] BRYCE, THOMAS W., CA  
[22] 2001-04-09  
[43] 2001-10-19  
[30] CA (2306244) 2000-04-19

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[21] **2,343,612**  
[13] A1

[51] **Int.Cl. 7F01P 5/10 7F01P 11/02**  
[25] EN  
[54] **DISPENSING TOOL ASSEMBLY FOR EVACUATING AND CHARGING A FLUID SYSTEM**  
[54] **APPAREIL DE DISTRIBUTION DE LIQUIDE POUR VIDER ET REMPLIR UN SYSTEME A LIQUIDE**  
[72] STEMEN, RANDY S., US  
[72] ROBINSON, RANDY S., US  
[71] PRODUCTION CONTROL UNITS, INC., US  
[22] 2001-04-10  
[43] 2001-10-18  
[30] US (09/551,372) 2000-04-18



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October 14, 2001 - October 23, 2001

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[21] **2,343,616**  
[13] A1  
[51] **Int.Cl. 7A46B 3/14**  
[25] EN  
[54] **METALLIC WIRE STRIP BRUSH ASSEMBLY AND APPARATUS AND METHOD FOR MAKING**  
[54] **BROSSE A BANDE DE FILS METALLIQUES AINSI QU'APPAREIL ET TECHNIQUE DE FABRICATION DE CELLE-CI**  
[72] VEGTER, HINDERIKUS A., CA  
[71] UNITED ROTARY BRUSH CORPORATION, US  
[22] 2001-04-10  
[43] 2001-10-20  
[30] US (60/198,636) 2000-04-20  
[30] US (09/651,112) 2000-08-30

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[21] **2,343,619**  
[13] A1  
[51] **Int.Cl. 7G06F 17/60 7H04L 12/16**  
[25] EN  
[54] **NETWORK-BASED SALES SYSTEM USING BAR CODES AND OPERATING METHOD OF THE SAME**  
[54] **SYSTEME DE VENTE EN RESEAU UTILISANT DES CODES A BARRES ET METHODE DE FONCTIONNEMENT DE CE SYSTEME**  
[72] USUI, YUUJI, JP  
[71] NEC CORPORATION, JP  
[22] 2001-04-10  
[43] 2001-10-19  
[30] JP (117653/2000) 2000-04-19

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[21] **2,343,622**  
[13] A1  
[51] **Int.Cl. 7B64F 5/00 7B64D 45/00**  
[25] EN  
[54] **DEVICE FOR PRESSURE TAPPING AND PROCEDURE FOR SETTING IT ON FUSELAGE PANEL OF AN AIRCRAFT**  
[54] **APPAREIL MANOMETRIQUE ET PROCEDURE D'INSTALLATION AU FUSELAGE D'UN AERONEF**  
[72] BOURGON, JEAN-MARC, FR  
[72] BAYONNE, SERGE, FR  
[72] CHAUVEAU, BRUNO, FR  
[71] EADS AIRBUS SA, FR  
[22] 2001-04-10  
[43] 2001-10-14  
[30] FR (00 04831) 2000-04-14

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[21] **2,343,626**  
[13] A1  
[51] **Int.Cl. 7C09D 183/06 7C09D 1/00**  
[25] EN  
[54] **PLASTICS STABILIZED WITH ZINC OXIDE-CONTAINING, ABRASION-RESISTANT MULTILAYERS**  
[54] **PLASTIQUES STABILISES A L'AIDE DE REVETEMENTS MULTICOUCHES RESISTANT A L'ABRASION ET CONTENANT DE L'OXYDE DE ZINC**  
[72] HOFACKER, STEFFEN, DE  
[72] WOMELSDORF, HERMANN-JENS, DE  
[72] MAGER, MICHAEL, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[22] 2001-04-10  
[43] 2001-10-14  
[30] DE (10018429.4) 2000-04-14

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[21] **2,343,632**  
[13] A1  
[51] **Int.Cl. 7C09J 135/00**  
[25] EN  
[54] **DIE ATTACH ADHESIVES FOR USE IN MICROELECTRONIC DEVICES**  
[54] **ADHESIFS DE FIXATION DE PUCE DESTINES A DES DISPOSITIFS MICROELECTRONIQUES**  
[72] HERR, DONALD E., US  
[71] NATIONAL STARCH AND CHEMICAL INVESTMENT HOLDING CORPORATION, US  
[22] 2001-04-10  
[43] 2001-10-14  
[30] US (09/549,639) 2000-04-14

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[21] **2,343,633**  
[13] A1  
[51] **Int.Cl. 7B41F 15/34 7D06P 3/00**  
[25] EN  
[54] **GARMENT LOADER**  
[54] **CHARGEUR DE VETEMENTS**  
[72] EPPINGER, OTTO RICHARD, AU  
[71] REEFDALE PROPRIETARY LIMITED, AU  
[22] 2001-04-10  
[43] 2001-10-17  
[30] AU (PQ 6929) 2000-04-17

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[21] **2,343,641**  
[13] A1  
[51] **Int.Cl. 7C10M 141/10**  
[25] EN  
[54] **A GEAR OIL FOR IMPROVED LOAD-CARRYING PERFORMANCE AT HIGH TEMPERATURE**  
[54] **HUILE POUR ENGRENAGES PERMETTANT D'ACCROITRE LA CAPACITE DE CHARGE A HAUTE TEMPERATURE**  
[72] BUITRAGO, JUAN A., US  
[71] CHEVRON ORONITE COMPANY LLC, US  
[22] 2001-04-10  
[43] 2001-10-14  
[30] US (09/549,900) 2000-04-14

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[21] **2,343,644**  
[13] A1  
[51] **Int.Cl. 7A61J 1/03 7B65D 83/04**  
[25] EN  
[54] **PACKAGED TABLET SYSTEM**  
[54] **SYSTEME DE DISTRIBUTION DE COMPRIMES EMPAQUETE**  
[72] WINCHUR, MATTHEW JAMES, CA  
[71] WINCHUR, MATTHEW JAMES, CA  
[22] 2001-04-11  
[43] 2001-10-14  
[30] US (09/550,249) 2000-04-14

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[21] **2,343,668**  
[13] A1  
[51] **Int.Cl. 7D02G 3/12 7D02G 3/22**  
[25] EN  
[54] **MULTI-COMPONENT YARN AND METHOD OF MAKING THE SAME**  
[54] **FIL COMPOSITE ET METHODE DE FABRICATION DE CE FIL**  
[72] MORMAN, GEORGE MARION JR., US  
[72] KOLMES, NATHANIEL H., US  
[72] MOORE, DELLA BONNELL, US  
[72] PHILLIPS, RICHIE DARNELL, US  
[72] PRITCHARD, ERIC, US  
[71] SUPREME ELASTIC CORPORATION, US  
[22] 2001-04-11  
[43] 2001-10-19  
[30] US (09/552,099) 2000-04-19

**Demandes canadiennes mises à la disponibilité du public**  
**14 octobre 2001 - 23 octobre 2001**

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[21] **2,343,677**  
[13] A1

[51] **Int.Cl. 7H05B 6/02 7C21D 9/60**  
[25] FR  
[54] **DISPOSITIF DE CHAUFFAGE PAR INDUCTION A FLUX TRANSVERSE A CIRCUIT MAGNETIQUE DE LARGEUR VARIABLE**  
[54] **TRANSVERSE FLUX INDUCTION HEATING DEVICE WITH A VARIABLE WIDTH, MAGNETIC CIRCUIT**  
[72] HELLEGOUARC'H, JEAN, FR  
[72] ANDERHUBER, MARC, FR  
[72] URING, JEAN-CAMILLE, FR  
[72] PATEAU, OLIVIER, FR  
[72] GRIFFAY, GERARD, FR  
[72] PIERRET, RENE, FR  
[72] CHAIGNOT, JEAN-PHILIPPE, FR  
[72] COUFFET, CLAUDE, FR  
[72] PAYA, BERNARD, FR  
[72] DAUBIGNY, ALAIN, FR  
[72] NEAU, YVES, FR  
[72] ROEHR, PHILIPPE, FR  
[71] CELES, FR  
[71] USINOR, FR  
[71] ÉLECTRICITÉ DE FRANCE, FR  
[22] 2001-04-11  
[43] 2001-10-19  
[30] FR (00 05062) 2000-04-19

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[21] **2,343,681**  
[13] A1

[51] **Int.Cl. 7F24F 7/007 7F24F 12/00**  
[25] EN  
[54] **STATIC HEAT RECOVERY VENTILATION SYSTEM**  
[54] **VENTILATEUR-RECUPERATEUR DE CHALEUR STATIQUE**  
[72] BEAINI, PETER J., CA  
[71] BEAINI, PETER J., CA  
[22] 2001-04-11  
[43] 2001-10-18  
[30] CA (2,306,022) 2000-04-18

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[21] **2,343,682**  
[13] A1

[51] **Int.Cl. 7E05F 7/00 7E06B 3/48 7E06B 3/50**  
[25] EN  
[54] **BOTTOM BRACKET FOR UPWARD ACTING DOOR**  
[54] **SUPPORT INFERIEUR POUR PORTE OUVRANT A LA VERTICALE**  
[72] WHITLEY, L. BLAKE, US  
[71] OVERHEAD DOOR CORPORATION, US  
[22] 2001-04-11  
[43] 2001-10-19  
[30] US (09/552,492) 2000-04-19

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[21] **2,343,684**  
[13] A1

[51] **Int.Cl. 7A41D 13/00 7A61N 5/06**  
[25] EN  
[54] **RADIATION DELIVERY METHOD AND APPARATUS**  
[54] **APPAREIL ET METHODE D'EMISSION D'UN RAYONNEMENT**  
[72] WHITEHURST, COLIN, GB  
[71] PHOTO THERAPEUTICS LTD., GB  
[22] 2001-04-11  
[43] 2001-10-20  
[30] GB (00 09901.0) 2000-04-20

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[21] **2,343,687**  
[13] A1

[51] **Int.Cl. 7G01S 7/52 7G01S 15/00 7G01S 1/44**  
[25] EN  
[54] **BOW DOME SONAR**  
[54] **DOME SONAR DE PROUE**  
[72] FIFE, MERRILL E., US  
[72] BICK, ERNEST THEODORE, US  
[72] HUDSON, SCOTT A., US  
[71] L-3 COMMUNICATIONS CORPORATION, US  
[22] 2001-04-11  
[43] 2001-10-19  
[30] US (60/199,007) 2000-04-19  
[30] US (09/573,520) 2000-05-17

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[21] **2,343,704**  
[13] A1

[51] **Int.Cl. 7A61B 17/12**  
[25] EN  
[54] **MOVABLE LIGATING BAND DISPENSER**  
[54] **DISTRIBUTEUR DE BANDES DE LIGATURE MOBILE**  
[72] MEARS, ERIC L., US  
[71] ENSURG, INC., US  
[22] 2001-04-11  
[43] 2001-10-19  
[30] US (09/552,670) 2000-04-19

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[21] **2,343,829**  
[13] A1

[51] **Int.Cl. 7G09F 7/00 7G09F 7/18**  
[25] EN  
[54] **HANGING SIGN AND METHOD**  
[54] **PANNEAU SUSPENDU ET METHODE D'INSTALLATION CORRESPONDANTE**  
[72] PERELLI, THOMAS, US  
[71] RUBBERMAID COMMERCIAL PRODUCTS LLC, US  
[22] 2001-04-11  
[43] 2001-10-14  
[30] US (09/549,532) 2000-04-14

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[21] **2,343,841**  
[13] A1

[51] **Int.Cl. 7H01B 13/24 7H01B 13/14 7H01B 13/32**  
[25] EN  
[54] **PROCESS FOR THE PRODUCTION OF CONDUCTING WIRES COATED WITH CROSS-LINKED POLYETHYLENE**  
[54] **PROCEDE DE PRODUCTION DE FILS CONDUCTEURS RECOUVERTS DE POLYETHYLENE RETICULE**  
[72] STRITTMATTER, MARC, DE  
[72] DANEKAS, FRANZ, DE  
[71] NEXANS, FR  
[22] 2001-04-11  
[43] 2001-10-17  
[30] EP (00401068.2) 2000-04-17

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[21] **2,343,843**  
[13] A1

[51] **Int.Cl. 7A61N 5/06**  
[25] EN  
[54] **THERAPEUTIC LIGHT SOURCE AND METHOD**  
[54] **SOURCE ET METHODE D'ECLAIRAGE THERAPEUTIQUE**  
[72] WHITEHURST, COLIN, GB  
[71] PHOTO THERAPEUTICS LTD., GB  
[22] 2001-04-11  
[43] 2001-10-17  
[30] GB (00 09489.6) 2000-04-17

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[21] **2,343,844**  
[13] A1

[51] **Int.Cl. 7B01J 8/04**  
[25] FR  
[54] **SOUS-ENSEMBLE  
POLYFONCTIONNEL ASSURANT LA  
MISE EN CONTACT, LA  
DISTRIBUTION DE MATIERE ET  
L'ECHANGE DE CHALEUR ET/OU DE  
MATIERE D'AU MOINS UNE PHASE  
GAZEUSE ET D'AU MOINS UNE  
PHASE LIQUIDE**  
[54] **MULTIFUNCTIONAL SUBSET  
ENSURING THE CONTACT, MATTER  
DISTRIBUTION AND HEAT AND/OR  
MATTER EXCHANGE OF AT LEAST  
ONE GASEOUS PHASE AND AT LEAST  
ONE LIQUID PHASE**  
[72] AGOERO, ROBERT, FR  
[72] GAUTHIER, THIERRY, FR  
[72] HARTER, ISABELLE, FR  
[71] INSTITUT FRANCAIS DU PETROLE,  
FR  
[22] 2001-04-11  
[43] 2001-10-17  
[30] FR (00 05 020) 2000-04-17

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[21] **2,343,845**  
[13] A1

[51] **Int.Cl. 7B01J 8/04**  
[25] FR  
[54] **DISPOSITIF DE DISTRIBUTION  
D'UN MELANGE POLYPHASIQUE SUR  
UN LIT DE SOLIDE GRANULAIRE  
COMPORTANT UN ELEMENT BRISE-  
JET POREUX**  
[54] **DEVICE FOR DISTRIBUTING A  
POLYPHASIC MIXTURE ONTO A  
SOLID GRANULAR BED COMPRISING  
A POROUS COUNTER FLOW  
ELEMENT**  
[72] AGOERO, ROBERT, FR  
[72] HARTER, ISABELLE, FR  
[71] INSTITUT FRANCAIS DU PETROLE,  
FR  
[22] 2001-04-11  
[43] 2001-10-17  
[30] FR (00 05 021) 2000-04-17

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[21] **2,343,847**  
[13] A1

[51] **Int.Cl. 7C22C 38/44 7B23K 35/24  
7C22C 38/50**  
[25] EN  
[54] **JOINT OF A TURNOUT SEGMENT  
OF MANGANESE STEEL WITH A RAIL  
OF CARBON STEEL**  
[54] **ASSEMBLAGE D'UN SEGMENT  
DE BRANCHEMENT EN ACIER AU  
MANGANESE AVEC UN RAIL EN  
ACIER AU CARBONE**  
[72] CERNY, PETR, CZ  
[71] DT VYHYBKARNA A MOSTARNA,  
SPOL. S R.O., CZ  
[22] 2001-04-11  
[43] 2001-10-14  
[30] CZ (PUV 2000-10653) 2000-04-14

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[21] **2,343,849**  
[13] A1

[51] **Int.Cl. 7F01L 3/08**  
[25] EN  
[54] **HEAVY-DUTY VALVE STEM SEAL  
ASSEMBLY**  
[54] **ENSEMBLE DE JOINT  
D'ETANCHEITE DE TIGE DE SOUPEPE  
POUR USAGE INTENSIF**  
[72] HEGEMIER, TIMOTHY ALAN, US  
[72] STAMBACK, MARK ALLEN, US  
[71] DANA CORPORATION, US  
[22] 2001-04-11  
[43] 2001-10-18  
[30] US (09/552,447) 2000-04-18

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[21] **2,343,853**  
[13] A1

[51] **Int.Cl. 7H01L 23/00 7G08C 19/00  
7H01L 31/00 7B41J 2/175**  
[25] EN  
[54] **SEMICONDUCTOR DEVICE, INK  
TANK PROVIDED WITH SUCH  
SEMICONDUCTOR DEVICE, INK JET  
CARTRIDGE, INK JET RECORDING  
APPARATUS, METHOD FOR  
MANUFACTURING SUCH  
SEMICONDUCTOR DEVICE, AND  
COMMUNICATION SYSTEM,  
METHOD FOR CONTROLLING  
PRESSURE, MEMORY ELEMENT,  
SECURITY SYSTEM OF INK JET  
RECORDING APPARATUS**  
[54] **DISPOSITIF A  
SEMICONDUCTEURS, RESERVOIR  
D'ENCRE DOTE DE CE DISPOSITIF A  
SEMICONDUCTEURS, CARTOUCHE A  
JET D'ENCRE, APPAREIL  
D'ENREGISTREMENT A JET  
D'ENCRE, METHODE DE  
FABRICATION DE CE DISPOSITIF A  
SEMICONDUCTEURS, SYSTEME DE  
COMMUNICATION, METHODE DE  
COMMANDE DE PRESSION, ELEMENT  
DE MEMOIRE, SYSTEME DE  
SECURITE POUR APPAREIL  
D'ENREGISTREMENT A JET D'ENCRE**  
[72] SAITO, ICHIRO, JP  
[72] ISHINAGA, HIROYUKI, JP  
[72] SUGAMA, SAKAYUKI, JP  
[72] KUBOTA, MASAHIKO, JP  
[72] IMANAKA, YOSHIYUKI, JP  
[72] MOCHIZUKI, MUGA, JP  
[72] INOUE, RYOJI, JP  
[72] YAMAGUCHI, TAKAAKI, JP  
[72] NISHIDA, MAKI, JP  
[72] KITABATAKE, KENJI, JP  
[71] CANON KABUSHIKI KAISHA, JP  
[22] 2001-04-11  
[43] 2001-10-14  
[30] JP (2000-114228) 2000-04-14  
[30] JP (2000-181638) 2000-06-16  
[30] JP (2000-181639) 2000-06-16  
[30] JP (2000-181835) 2000-06-16  
[30] JP (2000-181837) 2000-06-16

**Demandes canadiennes mises à la disponibilité du public**  
**14 octobre 2001 - 23 octobre 2001**

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[21] **2,343,868**  
[13] A1

[51] **Int.Cl. 7E03D 5/10**  
[25] EN  
[54] **ELECTROMAGNETIC CONTROL DEVICE FOR FLUSH TANK**  
[54] **DISPOSITIF DE COMMANDE ELECTROMAGNETIQUE POUR RESERVOIR DE CHASSE**  
[72] CHEN, KUAN PAO, TW  
[72] TSAI, YI TSUNG, TW  
[71] E. FLUSH TECH CO., LTD., TW  
[22] 2001-04-12  
[43] 2001-10-18  
[30] US (09/551,726) 2000-04-18

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[21] **2,343,869**  
[13] A1

[51] **Int.Cl. 7A47G 25/48 7A47G 25/14**  
[25] EN  
[54] **GARMENT HANGER**  
[54] **PORTE-VETEMENT**  
[72] LING, JOHNSON, CA  
[72] WU, PAUL, CA  
[71] FUTURE VISION HOMES, CA  
[22] 2001-04-12  
[43] 2001-10-17  
[30] CA (2,305,478) 2000-04-17

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[21] **2,343,870**  
[13] A1

[51] **Int.Cl. 7A63F 13/00 7G07F 17/32**  
[25] EN  
[54] **VIDEO PACHINKO ON A VIDEO PLATFORM AS A GAMING DEVICE**  
[54] **PACHINKO VIDEO SUR PLATE-FORME VIDEO UTILISEE COMME DISPOSITIF DE JEU**  
[72] BROSNAN, WILLIAM J., US  
[71] INTERNATIONAL GAME TECHNOLOGY, US  
[22] 2001-04-12  
[43] 2001-10-19  
[30] US (09/553,438) 2000-04-19

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[21] **2,343,902**  
[13] A1

[51] **Int.Cl. 7H01B 9/00 7F04B 47/06 7H01B 7/17**  
[25] EN  
[54] **POWER CABLE SYSTEM FOR USE IN HIGH TEMPERATURE WELLBORE APPLICATIONS**  
[54] **SYSTEME DE CABLAGE D'ALIMENTATION POUR APPLICATIONS HAUTE TEMPERATURE DE Puits DE FORAGE**  
[72] OSWALD, HOWARD A., US  
[72] MCHUGH, MARCUS D., US  
[72] MANKE, GREGORY H., US  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[22] 2001-04-10  
[43] 2001-10-14  
[30] US (09/549,502) 2000-04-14

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[21] **2,343,904**  
[13] A1

[51] **Int.Cl. 7B23K 31/10 7B23K 10/00 7B23K 26/00**  
[25] EN  
[54] **PROCESS FOR THE LASER AND/OR PLASMA CUTTING OF STRIPS, PARTICULARLY METAL COILS, AND RELATIVE CONTINUOUS CUTTING LINES**  
[54] **PROCESSUS DE DECOUPE PAR LASER OU AU PLASMA DE BANDES, PLUS PARTICULIEREMENT DES BOBINES METALLIQUES, ET LIGNES DE DECOUPE CONTINUE CONNEXES**  
[72] PIERLUIGI, DALLA PACE, IT  
[71] IRON SPA, IT  
[22] 2001-04-10  
[43] 2001-10-14  
[30] IT (TV2000A000044) 2000-04-14

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[21] **2,343,913**  
[13] A1

[51] **Int.Cl. 7B62D 21/00 7B60P 3/32**  
[25] EN  
[54] **OPEN, AND ACCESSIBLE CHASSIS FOR TRAVEL TRAILER**  
[54] **CHASSIS ACCESSIBLE ET OUVERT POUR CARAVANE CLASSIQUE**  
[72] GIMENEZ, J. RAUL, US  
[72] CRAIG, SCOTT ALAN, US  
[72] LEREAUX, ALEXANDER ALBERT, US  
[71] NATIONAL RV HOLDINGS, INC., US  
[22] 2001-04-10  
[43] 2001-10-17  
[30] US (09/550,851) 2000-04-17

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[21] **2,343,985**  
[13] A1

[51] **Int.Cl. 7G01N 27/00 7G01N 33/487 7G01N 33/82**  
[25] EN  
[54] **METHOD OF ANALYZING DICARBOXYLIC ACIDS**  
[54] **METHODE D'ANALYSE D'ACIDES DICARBOXYLIQUES**  
[72] SHUSHAN, BORI, CA  
[72] KOMAROMY-HILLER, GABOR, US  
[72] KUSHNIR, MARK, US  
[71] SHUSHAN, BORI, CA  
[71] KOMAROMY-HILLER, GABOR, US  
[71] KUSHNIR, MARK, US  
[22] 2001-04-17  
[43] 2001-10-17  
[30] US (60/197,910) 2000-04-17

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[21] **2,343,988**  
[13] A1

[51] **Int.Cl. 7H04L 12/16 7G06F 17/30 7G06F 17/60**  
[25] EN  
[54] **TESTING METHOD AND SYSTEM**  
[54] **METHODE ET SYSTEME D'ESSAI**  
[72] QUATTROCCHI, RICHARD A., US  
[71] HOME ACCESS HEALTH CORPORATION, US  
[22] 2001-04-17  
[43] 2001-10-17  
[30] US (60/197,963) 2000-04-17

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[21] **2,343,995**  
[13] A1

[51] **Int.Cl. 7B64C 13/40 7B64C 23/00 7G05D 16/00 7B64C 9/24 7B64C 3/30**  
[25] EN  
[54] **PRESSURE CONTROL SYSTEM FOR A PRESSURE-EXPANDABLE DISPLACEMENT ELEMENT**  
[54] **SYSTEME DE CONTROLE DE LA PRESSION POUR UN ELEMENT A DEBATTEMENT REGLABLE SOUS L'EFFET DE LA PRESSION**  
[72] GLEINE, WOLFGANG, DE  
[72] MAU, KNUT, DE  
[72] CARL, UDO, DE  
[71] GLEINE, WOLFGANG, DE  
[71] MAU, KNUT, DE  
[71] CARL, UDO, DE  
[22] 2001-04-17  
[43] 2001-10-17  
[30] DE (100 19 187.8) 2000-04-17

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October 14, 2001 - October 23, 2001

[21] **2,344,004**  
[13] A1  
[51] **Int.Cl. 7C07C 59/56 7C07C 201/16 7C07C 319/28 7C07C 227/42 7C07C 229/42 7C07C 51/43 7C07C 59/48 7C07C 205/56 7C07C 323/62 7C07C 59/64**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF OPTICALLY AND CHEMICALLY HIGHLY PURE (R) - OR (S) - A - HYDROXYCARBOXYLIC ACIDS**  
[54] **PROCEDE DE PREPARATION D'ACIDES ALPHA-HYDROXYCARBOXYLIQUES R OU S OPTIQUEMENT ET CHIMIQUEMENT TRES PURS**  
[72] POCHLAUER, PETER, AT  
[72] MAYRHOFER, HERBERT, AT  
[71] DSM FINE CHEMICALS AUSTRIA NFG GMBH & CO KG, AT  
[22] 2001-04-17  
[43] 2001-10-17  
[30] AT (A 670/2000) 2000-04-17

[21] **2,344,005**  
[13] A1  
[51] **Int.Cl. 7H01F 1/00**  
[25] EN  
[54] **MAGNETIC COMPOSITION**  
[54] **COMPOSITION MAGNETIQUE**  
[72] RYAN, DOMINIC H., CA  
[72] VEIGA, VIRNA, CA  
[72] MARCHESSAULT, ROBERT H., CA  
[71] MCGILL UNIVERSITY, CA  
[22] 2001-04-17  
[43] 2001-10-19  
[30] US (60/198,446) 2000-04-19

[21] **2,344,010**  
[13] A1  
[51] **Int.Cl. 7C09D 5/46**  
[25] EN  
[54] **SILICON-DOPED AMORPHOUS CARBON COATING FOR PAINT BELL ATOMIZERS**  
[54] **REVEITEMENT DE CARBONE AMORPHE DOPE AU SILICIUM POUR PULVERISATEURS CENTRIFUGES POUR PEINTURE**  
[72] FIALA, AARON, US  
[72] PETTY, JEFFREY, US  
[72] POTTER, TIMOTHY, US  
[71] FORD GLOBAL TECHNOLOGIES, INC., US  
[22] 2001-04-17  
[43] 2001-10-19  
[30] US (09/552,132) 2000-04-19

[21] **2,344,011**  
[13] A1  
[51] **Int.Cl. 7C09K 11/84 7H05B 33/10 7C09K 11/88**  
[25] EN  
[54] **FLUORESCENT THIN FILM, ITS FABRICATION PROCESS, AND EL PANEL**  
[54] **COUCHE MINCE FLUORESCENTE, SON PROCEDE DE PRODUCTION, ET TABLEAU LUMINEUX**  
[72] YANO, YOSHIHIKO, JP  
[71] TDK CORPORATION, JP  
[22] 2001-04-17  
[43] 2001-10-17  
[30] JP (2000-115666) 2000-04-17

[21] **2,344,013**  
[13] A1  
[51] **Int.Cl. 7G01S 13/74**  
[25] EN  
[54] **VEHICLE POSITION DETERMINATION SYSTEM & METHOD**  
[54] **SYSTEME ET METHODE DE DETERMINATION DE LA POSITION D'UN VEHICULE**  
[72] TERRIER, DANIEL L., CA  
[72] TIERNAY, ROBERT WALTER, CA  
[71] MARK IV INDUSTRIES LIMITED, CA  
[22] 2001-04-17  
[43] 2001-10-18  
[30] US (09/551,278) 2000-04-18

[21] **2,344,015**  
[13] A1  
[51] **Int.Cl. 7B01J 38/42 7B01J 38/26**  
[25] EN  
[54] **A PROCESS FOR CONTINUOUSLY REGENERATING CATALYST PARTICLES**  
[54] **METHODE DE REGENERATION EN CONTINU DE PARTICULES DE CATALYSEUR**  
[72] ZHAO, ZHIHAI, CN  
[72] WANG, JIN, CN  
[72] SHI, FENG, CN  
[72] ZHANG, LANXIN, CN  
[72] FU, JINHUI, CN  
[72] ZHAO, RENDIAN, CN  
[71] RESEARCH INSTITUTE OF PETROLEUM PROCESSING, SINOPEC, CN  
[71] CHINA PETROCHEMICAL CORPORATION, CN  
[22] 2001-04-17  
[43] 2001-10-18  
[30] CN (00105687.5) 2000-04-18

[21] **2,344,017**  
[13] A1  
[51] **Int.Cl. 7G01N 37/00 7G01N 27/327 7G01N 33/53**  
[25] EN  
[54] **SUBSCRIPTION BASED BIOSENSOR MONITORING SYSTEM AND METHOD**  
[54] **SYSTEME ET METHODE DE SURVEILLANCE DE BIOCAPTEUR SUR UNE BASE D'ABONNEMENT**  
[72] CRONRATH, CRISTOPH, DE  
[72] HANSEN, MICHAEL V., US  
[72] ESSENPREIS, MATTHIAS, US  
[72] GERBER, MARTIN T., US  
[71] ROCHE DIAGNOSTICS GMBH, DE  
[71] ROCHE DIAGNOSTICS CORPORATION, US  
[22] 2001-04-12  
[43] 2001-10-18  
[30] US (09/551,269) 2000-04-18

[21] **2,344,020**  
[13] A1  
[51] **Int.Cl. 7B32B 3/28 7B32B 27/10 7B32B 27/20**  
[25] EN  
[54] **PREVENTION OF SHOW THROUGH ON LINERBOARD**  
[54] **OPACIFICATION DE CARTON DE COUVERTURE**  
[72] BRYDEN, MICHELLE D., US  
[71] WESTVACO CORPORATION, US  
[22] 2001-04-17  
[43] 2001-10-14  
[30] US (09/550,236) 2000-04-14

[21] **2,344,021**  
[13] A1  
[51] **Int.Cl. 7G02B 27/10 7G02B 27/28**  
[25] EN  
[54] **POLARIZATION BEAM SPLITTER OR COMBINER**  
[54] **SEPARATEUR OU COUPLEUR DE FAISCEAUX POLARISES**  
[72] MCLAUGHLIN, SHELDON, CA  
[72] SPICER, DEAN SHELDON, CA  
[72] DELISLE, VINCENT, CA  
[72] CHENG, YIHAO, CA  
[72] WALL, PIERRE D., CA  
[72] HNATIWI, ALAN J.P., CA  
[72] WILLS, GONZALO, CA  
[71] JDS UNIPHASE INC., CA  
[22] 2001-04-12  
[43] 2001-10-20  
[30] US (60/198,573) 2000-04-20  
[30] US (60/218,136) 2000-07-14  
[30] US (09/731,908) 2000-12-08

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**14 octobre 2001 - 23 octobre 2001**

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[21] **2,344,024**  
[13] A1

[51] **Int.Cl. 7H02J 7/00 7G06F 19/00**  
[25] EN  
[54] **CHARGING APPARATUS, CHARGING METHOD, CHARGING SYSTEM, AND RECORDING MEDIUM ONTO WHICH IS RECORDED A CHARGING METHOD**  
[54] **APPAREIL DE CHARGE, METHODE DE CHARGE, SYSTEME DE CHARGE ET SUPPORT SUR LEQUEL EST ENREGISTREE UNE METHODE DE CHARGE**  
[72] TAKASE, KIICHI, JP  
[72] SUZUKI, FUMIO, JP  
[71] ZIP CHARGE CORPORATION, JP  
[22] 2001-04-12  
[43] 2001-10-14  
[30] JP (2000-113669) 2000-04-14

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[21] **2,344,025**  
[13] A1

[51] **Int.Cl. 7A01G 23/095**  
[25] EN  
[54] **GRIPPING AND CUTTING APPARATUS**  
[54] **APPAREIL DE PREHENSION ET DE COUPE**  
[72] MOON, THOMAS A., US  
[72] RIHA, GARY D., US  
[71] INNOTEC ENGINEERING, INC., US  
[22] 2001-04-12  
[43] 2001-10-14  
[30] US (09/550,256) 2000-04-14

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[21] **2,344,033**  
[13] A1

[51] **Int.Cl. 7B01D 45/16 7F22B 31/00 7F23C 10/00 7F23C 10/18**  
[25] EN  
[54] **A NOVEL GAS-SOLID SEPARATOR FOR FLUIDIZED BED BOILER**  
[54] **NOUVEAU SEPARATEUR DE SOLIDE ET DE GAZ POUR LES CHAUDIERES A LIT FLUIDISE**  
[72] BASU, PRABIR, CA  
[71] BASU, PRABIR, CA  
[22] 2001-04-18  
[43] 2001-10-19  
[30] CA (2,306,203) 2000-04-19

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[21] **2,344,035**  
[13] A1

[51] **Int.Cl. 7B27B 33/14 7B23D 57/02 7A01G 23/091**  
[25] EN  
[54] **A CHAIN IN A SAWING DEVICE, AND A MOTOR-DRIVEN SAWING DEVICE**  
[54] **UNE CHAINE DANS UN DISPOSITIF DE SCIAGE ET UN DISPOSITIF DE SCIAGE ACTIONNE PAR MOTEUR**  
[72] NIEMI, HARRI, FI  
[72] MARTTILA, MAURI, FI  
[71] PLUSTECH OY, FI  
[22] 2001-04-12  
[43] 2001-10-17  
[30] FI (20000910) 2000-04-17

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[21] **2,344,052**  
[13] A1

[51] **Int.Cl. 7H05B 41/14 7H05B 41/36**  
[25] EN  
[54] **STABILIZING THE OPERATION OF GAS DISCHARGE LAMPS**  
[54] **STABILISATION DU FONCTIONNEMENT DE LAMPES A DECHARGE GAZEUSE**  
[72] OSTERRIED, JOSEF, DE  
[72] HUBER, ANDREAS, DE  
[72] VESER, ALWIN, DE  
[72] GRASER, WOLFRAM, DE  
[71] PATENT-TREUHAND-GESELLSCHAFT FUR ELEKTRISCHE GLUEHLAMPEN MBH, DE  
[22] 2001-04-12  
[43] 2001-10-14  
[30] DE (100 18 860.5) 2000-04-14

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[21] **2,344,073**  
[13] A1

[51] **Int.Cl. 7H01M 2/14 7H01M 8/24**  
[25] EN  
[54] **FUEL CELL SEPARATOR, MANUFACTURING METHOD THEREOF AND FUEL CELL**  
[54] **SEPARATEUR DE PILE A COMBUSTIBLE, METHODE DE FABRICATION CONNEXE ET PILE A COMBUSTIBLE**  
[72] NAKATA, HIROMICHI, JP  
[72] SUZUKI, KENICHI, JP  
[72] NONOYAMA, FUMIO, JP  
[72] YOKOI, MASAYOSHI, JP  
[72] YOSHIMURA, JOJI, JP  
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP  
[22] 2001-04-17  
[43] 2001-10-19  
[30] JP (2000-117734) 2000-04-19

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[21] **2,344,076**  
[13] A1

[51] **Int.Cl. 7H01T 4/02**  
[25] EN  
[54] **SURFACE MOUNTING SURGE ABSORBER AND SURFACE MOUNTING CAP FOR SURGE ABSORBER**  
[54] **AMORTISSEUR DE SURTENSION DE MONTAGE EN SURFACE ET COUVERCLE DE MONTAGE EN SURFACE POUR AMORTISSEUR DE SURTENSION**  
[72] YANG, BING LIN, JP  
[71] YANG, BING LIN, JP  
[22] 2001-04-17  
[43] 2001-10-18  
[30] JP (2000-116998) 2000-04-18

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[21] **2,344,077**  
[13] A1

[51] **Int.Cl. 7A63B 59/06**  
[25] EN  
[54] **LAMINATE MAPLE BASEBALL BAT CONSTRUCTION**  
[54] **CONSTRUCTION DE BATON DE BASEBALL EN ERABLE STRATIFIE**  
[72] HOLMAN, SAM J., CA  
[71] HOLMAN, SAM J., CA  
[22] 2001-04-17  
[43] 2001-10-18  
[30] US (09/551,734) 2000-04-18

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[21] **2,344,079**  
[13] A1

[51] **Int.Cl. 7B60R 9/06 7B62D 33/023 7B60P 7/04**  
[25] EN  
[54] **STORAGE SYSTEMS FOR PICKUP TRUCKS AND OTHER VEHICLES**  
[54] **SYSTEMES D'ENTREPOSAGE DE CAMIONNETTES ET D'AUTRES VEHICULES**  
[72] ROGERS, TOMMY D., US  
[72] BLANKENSHIP, NELLIE, US  
[72] GETZSCHMAN, DAN R., US  
[72] OXFORD, DWAYNE, US  
[72] GETZSCHMAN, ERIC D., US  
[71] BESTOP INC., US  
[22] 2001-04-17  
[43] 2001-10-17  
[30] US (60/197,653) 2000-04-17  
[30] US (60/201,172) 2000-05-01

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[21] **2,344,080**  
[13] A1  
[51] **Int.Cl. 7G06F 17/00 7H04L 12/16 7G06F 17/30**  
[25] EN  
[54] **CALCULATION METHOD OF DISCHARGE TRANSFER AMOUNT OF CHEMICAL SUBSTANCES AND SERVER AND SYSTEM THEREFOR**  
[54] **METHODE DE CALCUL DE LA QUANTITE DE PRODUITS CHIMIQUES TRANSFERES PAR DECHARGE ET SERVEUR ET SYSTEME CONNEXE**  
[72] ISHIDA, EIJI, JP  
[72] NARIKIYO, KENJI, JP  
[72] KODAMA, TAKURO, JP  
[72] TAKANO, MASATOSHI, JP  
[72] HIGUCHI, MASAHIRO, JP  
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP  
[22] 2001-04-12  
[43] 2001-10-14  
[30] JP (2000-114271) 2000-04-14  
[30] JP (2001-096960) 2001-03-29

[21] **2,344,081**  
[13] A1  
[51] **Int.Cl. 7B60R 9/048**  
[25] EN  
[54] **LADDER RACK APPARATUS AND METHOD**  
[54] **DISPOSITIF DE SUPPORT POUR ECHELLE ET METHODE CONNEXE**  
[72] BRADLEY, JOHN A., US  
[72] WIERSCHKE, JEFFREY A., US  
[71] ADRIAN STEEL COMPANY, US  
[22] 2001-04-17  
[43] 2001-10-14  
[30] US (09/549,021) 2000-04-14

[21] **2,344,082**  
[13] A1  
[51] **Int.Cl. 7E05D 7/00 7B62D 25/12**  
[25] EN  
[54] **VEHICLE LID HINGE**  
[54] **CHARNIERE DE COUVERCLE POUR VEHICULE**  
[72] CHEAL, JONATHAN PAUL ANTHONY, GB  
[72] PROFFITT, ANDREW, GB  
[71] ITW LIMITED, GB  
[22] 2001-04-17  
[43] 2001-10-19  
[30] GB (0011311.8) 2000-04-19

[21] **2,344,085**  
[13] A1  
[51] **Int.Cl. 7D04B 35/04**  
[25] EN  
[54] **KNITTING MACHINE NEEDLE**  
[54] **AIGUILLE POUR MACHINE A TRICOTER**  
[72] JUNTHNER, KURT, DE  
[71] SIPRA PATENTENTWICKLUNGS- UND BETEILIGUNGSGESELLSCHAFT MBH, DE  
[22] 2001-04-17  
[43] 2001-10-14  
[30] DE (100 18 897.4) 2000-04-14

[21] **2,344,090**  
[13] A1  
[51] **Int.Cl. 7A61K 31/40 7A61P 15/12 7A61K 31/138 7A61K 31/407 7A61K 31/4453 7A61K 31/453 7A61K 31/4535 7A61K 31/4725 7A61K 31/55**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR TREATING FEMALE SEXUAL DYSFUNCTION**  
[54] **COMPOSITIONS ET METHODES POUR TRAITER LA DYSFONCTION SEXUELLE CHEZ LA FEMME**  
[72] LEE, ANDREW GEORGE, US  
[72] THOMPSON, DAVID DUANE, US  
[72] DAY, WESLEY WARREN, US  
[71] PFIZER PRODUCTS INC., US  
[22] 2001-04-12  
[43] 2001-10-18  
[30] US (60/266,387) 2000-04-18

[21] **2,344,091**  
[13] A1  
[51] **Int.Cl. 7C03B 9/36 7G05D 16/00**  
[25] EN  
[54] **FINAL BLOW/FINISH COOLING VALVE FUNCTION MONITOR**  
[54] **CONTROLEUR DE VANNE DE DERNIER SOUFFLAGE/DE REFROIDISSEMENT DU FINI**  
[72] WACKE, ROBERT S., US  
[71] OWENS-BROCKWAY GLASS CONTAINER INC., US  
[22] 2001-04-17  
[43] 2001-10-19  
[30] US (09/552,365) 2000-04-19

[21] **2,344,096**  
[13] A1  
[51] **Int.Cl. 7B60J 5/00**  
[25] EN  
[54] **VEHICLE COURIER DOOR SYSTEM AND METHOD OF CONVERSION**  
[54] **SYSTEME DE PORTIERE POUR VEHICULE DE MESSAGERIE AINSI QUE METHODE DE TRANSFORMATION CONNEXE**  
[72] GORDON, MARK P., US  
[72] STURGIN, TODD, US  
[71] CROWN NORTH AMERICA, US  
[22] 2001-04-12  
[43] 2001-10-14  
[30] US (60/197,204) 2000-04-14

[21] **2,344,101**  
[13] A1  
[51] **Int.Cl. 7F25J 3/04**  
[25] EN  
[54] **CRYOGENIC AIR SEPARATION SYSTEM USING AN INTEGRATED CORE**  
[54] **SYSTEME DE SEPARATION CRYOGENIQUE DE L'AIR AVEC BLOC INTEGRE**  
[72] ARMAN, BAYRAM, US  
[72] BONAQUIST, DANTE PATRICK, US  
[72] NGUYEN, TU CAM, US  
[72] WONG, KENNETH KAI, US  
[71] PRAXAIR TECHNOLOGY, INC., US  
[22] 2001-04-12  
[43] 2001-10-14  
[30] US (09/550,392) 2000-04-14

[21] **2,344,102**  
[13] A1  
[51] **Int.Cl. 7B44F 1/14 7G03F 7/00 7B05D 5/06 7G02B 27/60**  
[25] EN  
[54] **ENHANCED MOIRE AND IRIDESCENT EFFECTS CREATED USING DUAL LENTICULAR LENS IMAGING**  
[54] **MEILLEUR MOIRAGE ET EFFETS CHANGEANTS PRODUITS A L'AIDE D'UNE IMAGERIE A DEUX ELEMENTS LENTICULAIRES**  
[72] PETERSON, ZANE R., US  
[72] PARROTTA, MICHAEL A., US  
[72] FLOWERS, ROBERT L., US  
[71] IMPAC GROUP, INC., US  
[22] 2001-04-17  
[43] 2001-10-17  
[30] US (09/550,783) 2000-04-17

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**14 octobre 2001 - 23 octobre 2001**

[21] **2,344,106**  
[13] A1

[51] **Int.Cl. 7F25J 3/04**  
[25] EN  
[54] **CRYOGENIC AIR SEPARATION SYSTEM WITH INTEGRATED MASS AND HEAT TRANSFER**  
[54] **SYSTEME DE SEPARATION CRYOGENIQUE DE L'AIR AVEC TRANSFERT DE MASSE ET DE CHALEUR INTEGRE**  
[72] ARMAN, BAYRAM, US  
[72] NGUYEN, TU CAM, US  
[72] BONAQUIST, DANTE PATRICK, US  
[72] BILLINGHAM, JOHN FREDRIC, US  
[72] WONG, KENNETH KAI, US  
[71] PRAXAIR TECHNOLOGY, INC., US  
[22] 2001-04-12  
[43] 2001-10-14  
[30] US (09/549,602) 2000-04-14

[21] **2,344,120**  
[13] A1

[51] **Int.Cl. 7C09K 5/08**  
[25] EN  
[54] **STORAGE MEDIA FOR LATENT HEAT STORAGE SYSTEMS**  
[54] **MILIEU DE STOCKAGE POUR DES SYSTEMES DE STOCKAGE DE CHALEUR LATENTE**  
[72] HEIDER, UDO, DE  
[72] GALLY, JOACHIM, DE  
[72] NEUSCHUTZ, MARK, DE  
[72] LOTZ, NATASCHA, DE  
[72] GLAUSCH, RALF, DE  
[71] MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, DE  
[22] 2001-04-12  
[43] 2001-10-17  
[30] DE (100 18 938.5) 2000-04-17

[21] **2,344,122**  
[13] A1

[51] **Int.Cl. 7B65H 16/02**  
[25] EN  
[54] **SLIDE POSITIONER**  
[54] **POSITIONNEUR DE COULISSE**  
[72] O'DONNELL, PAT, CA  
[71] VOITH PAPER PATENT GMBH, DE  
[22] 2001-04-17  
[43] 2001-10-18  
[30] DE (200 070 87.8) 2000-04-18

[21] **2,344,123**  
[13] A1

[51] **Int.Cl. 7A23L 1/39**  
[25] EN  
[54] **BINDING BASE FOR A CULINARY PREPARATION AND METHOD OF PREPARING SAID BASE**  
[54] **BASE LIANTE POUR PREPARATION CULINAIRE AINSI QUE METHODE DE PREPARATION DE CETTE BASE**  
[72] BECK, INKA, DE  
[72] WEISBECKER, RAINER, DE  
[72] HOUOT, OLIVIER, FR  
[72] COUVIGNOU, XAVIER, FR  
[71] BESTFOODS, US  
[22] 2001-04-12  
[43] 2001-10-18  
[30] FR (00 04 974) 2000-04-18

[21] **2,344,128**  
[13] A1

[51] **Int.Cl. 7F02C 7/12**  
[25] EN  
[54] **METHOD AND APPARATUS FOR THE COOLING OF JET-ENGINE TURBINE CASINGS**  
[54] **METHODE ET APPAREIL DE REFROIDISSEMENT DE CARTER DE TURBOREACTEUR**  
[72] BOECK, ALEXANDER, DE  
[71] ROLLS-ROYCE DEUTSCHLAND LTD & CO KG, DE  
[22] 2001-04-17  
[43] 2001-10-19  
[30] DE (10019437.0) 2000-04-19

[21] **2,344,130**  
[13] A1

[51] **Int.Cl. 7C07F 9/40 7C08F 30/02 7A61K 6/083**  
[25] EN  
[54] **HYDROLYSIS-STABLE AND POLYMERIZABLE ACRYLOPHOSPHONIC ACID MONOESTERS**  
[54] **MONOACRYLOPHOSPHONATES POLYMERISABLES ET RESISTANT A L'HYDROLYSE**  
[72] RHEINBERGER, VOLKER, LI  
[72] ZEUNER, FRANK, LI  
[72] MOSZNER, NORBERT, LI  
[71] IVOCLAR VIVADENT AG, LI  
[22] 2001-04-12  
[43] 2001-10-17  
[30] DE (100 18 969.5) 2000-04-17

[21] **2,344,133**  
[13] A1

[51] **Int.Cl. 7A61L 24/06 7A61L 15/12**  
[25] EN  
[54] **BASE FILM FOR MEDICAL ADHESIVE TAPE, AND MEDICAL ADHESIVE TAPE, ADHESIVE PLASTER AND FIRST-AID ADHESIVE TAPE PRODUCED USING THE FILM**  
[54] **PELLICULE DE BASE POUR DIACHYLON MEDICAL, ET DIACHYLON MEDICAL, BANDAGE EN DIACHYLON ET DIACHYLON DE PREMIERS SOINS FABRIQUE AU MOYEN DE CETTE PELLICULE**  
[72] HAMADA, ATSUSHI, JP  
[72] KINOSHITA, TAKASHI, JP  
[72] SHIRAI, FUMIYA, JP  
[72] FURUMORI, KENJI, JP  
[72] WATANABE, TETSUO, JP  
[71] NITTO DENKO CORPORATION, JP  
[22] 2001-04-17  
[43] 2001-10-20  
[30] JP (2000-119987) 2000-04-20

[21] **2,344,134**  
[13] A1

[51] **Int.Cl. 7C07F 9/38 7C08F 30/02 7A61K 6/083 7C07F 9/6509**  
[25] EN  
[54] **HYDROLYSIS-STABLE AND POLYMERIZABLE ACRYLOPHOSPHONIC ACID**  
[54] **ACIDE ACRYLOPHOSPHONIQUE POLYMERISABLE ET RESISTANT A L'HYDROLYSE**  
[72] RHEINBERGER, VOLKER, LI  
[72] ZEUNER, FRANK, LI  
[72] RUMPHORST, ANDRE, LI  
[72] MOSZNER, NORBERT, LI  
[71] IVOCLAR VIVADENT AG, LI  
[22] 2001-04-12  
[43] 2001-10-17  
[30] DE (100 18 968.7) 2000-04-17



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October 14, 2001 - October 23, 2001

[21] **2,344,137**  
[13] A1  
[51] **Int.Cl. 7F01D 17/00 7F02C 6/18**  
[25] EN  
[54] **STEAM CONTROL APPARATUS FOR TURBINE**  
[54] **APPAREIL DE REGULATION DE LA VAPEUR POUR TURBINE**  
[72] NAGATA, SHOUICHI, JP  
[72] TANAKA, TOMOKA, JP  
[72] HIRAMOTO, KOJI, JP  
[72] HIGASHI, KAZUYA, JP  
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP  
[22] 2001-04-17  
[43] 2001-10-18  
[30] JP (2000-116337) 2000-04-18  
[30] JP (2001-61327) 2001-03-06

[21] **2,344,183**  
[13] A1  
[51] **Int.Cl. 7C07K 9/00 7A61P 1/04 7A61K 38/14 7A23J 1/20 7A23L 1/305 7A61K 38/38 7C07K 14/76**  
[25] EN  
[54] **GLYCOPROTEIN HAVING INHIBITORY ACTIVITY AGAINST HELICOBACTER PYLORI COLONIZATION**  
[54] **GLYCOPROTEINE INHIBANT LA COLONISATION PAR HELICOBACTER PYLORI**  
[72] KODAMA, YOSHIKATSU, JP  
[72] KIMURA, NOBUTAKE, JP  
[71] NISSHIN FLOUR MILLING CO., LTD., JP  
[71] GHEN CORPORATION, JP  
[22] 2001-04-12  
[43] 2001-10-14  
[30] JP (2000-113913) 2000-04-14

[21] **2,344,219**  
[13] A1  
[51] **Int.Cl. 7F23C 10/18**  
[25] EN  
[54] **PROCESS CHAMBER IN CONNECTION WITH A FLUIDIZED BED REACTOR**  
[54] **CHAMBRE DE TRAITEMENT EN RAPPORT AVEC UN REACTEUR A LIT FLUIDISE**  
[72] MERO, TIMO, FI  
[72] ALLISTON, MICHAEL G., US  
[72] LUOMAHARJU, TERO, FI  
[72] KOKKO, ARI, FI  
[71] KVAERNER PULPING OY, FI  
[22] 2001-04-18  
[43] 2001-10-19  
[30] US (09/552,557) 2000-04-19

[21] **2,344,237**  
[13] A1  
[51] **Int.Cl. 7B29C 39/26 7B29C 33/00 7B29C 39/22**  
[25] EN  
[54] **MOULD COMPRISING OUTER MOULD PARTS AND MOULDING MATERIAL CORES INSERTED INTO SAME**  
[54] **MOULE COMPRENANT LES PARTIES EXTERNES DU MOULE ET LES MATERIAUX DES NOYAUX DE MOULAGE INSERES DANS CE MEME MOULE**  
[72] WILLFORT, PETER, AT  
[72] BOHN, HORST, AT  
[71] VAW MANDL & BERGER GMBH, AT  
[22] 2001-04-18  
[43] 2001-10-19  
[30] DE (100 19 310.2) 2000-04-19

[21] **2,344,256**  
[13] A1  
[51] **Int.Cl. 7H01H 9/30 7H01H 33/915**  
[25] FR  
[54] **INTERRUPTEUR A SOUFFLAGE D'ARC, POSSEDANT UNE CHAMBRE DE COUPURE A COMPRESSION DE GAZ REDUITE ET UN MOUVEMENT ALTERNATIF DU PISTON**  
[54] **ARC BLOWING SWITCH WITH REDUCED GAS COMPRESSION INTERRUPT CHAMBER AND ALTERNATING PISTON MOVEMENT**  
[72] PERRET, MICHEL, FR  
[72] OZIL, JOEL, FR  
[71] ALSTOM, FR  
[22] 2001-04-17  
[43] 2001-10-18  
[30] FR (00 04 987) 2000-04-18

[21] **2,344,271**  
[13] A1  
[51] **Int.Cl. 7C09J 7/02**  
[25] EN  
[54] **ADHESIVE TAPE FOR PAINTING**  
[54] **RUBAN ADHESIF POUR PEINTURE**  
[72] YANAGIUCHI, KATSUYUKI, JP  
[71] LINTEC CORPORATION, JP  
[22] 2001-04-18  
[43] 2001-10-20  
[30] JP (2000-119318) 2000-04-20

[21] **2,344,272**  
[13] A1  
[51] **Int.Cl. 7H01H 73/18**  
[25] FR  
[54] **INTERRUPTEUR A AUTO-SOUFFLAGE AVEC UNE CHAMBRE DE COUPURE A DEUX VOLUMES**  
[54] **SELF-BLOW SWITCH WITH DUAL-VOLUME CUT-OFF CHAMBER**  
[72] DUFOURNET, DENIS, FR  
[71] ALSTOM, FR  
[22] 2001-04-18  
[43] 2001-10-19  
[30] FR (00 05 041) 2000-04-19

[21] **2,344,273**  
[13] A1  
[51] **Int.Cl. 7B22D 13/02**  
[25] EN  
[54] **METHOD OF AND DEVICE FOR ROTARY CASTING**  
[54] **METHODE ET APPAREIL DE MOULAGE PAR ROTATION**  
[72] GOSCH, ROLF, AT  
[72] STIKA, PETER, AT  
[72] JUNGBAUER, PETER, AT  
[72] KAHN, FRIEDHELM, DE  
[72] PREISINGER, JOHANN, AT  
[72] EISENBERGER, GERHARD, DE  
[72] HAUDER, WALTER, AT  
[72] KAHN, JOACHIM, DE  
[72] WINKLER, JOHANN, AT  
[72] SCHROTER, KLAUS, AT  
[72] GRUNESS, HORST PAUL, DE  
[71] VAW MANDL & BERGER GMBH, AT  
[22] 2001-04-18  
[43] 2001-10-19  
[30] DE (100 19 309.9) 2000-04-19

[21] **2,344,287**  
[13] A1  
[51] **Int.Cl. 7C21D 1/00 7B22D 21/00 7C21D 9/00 7C21D 1/62**  
[25] EN  
[54] **METHOD OF AND DEVICE FOR QUENCHING LIGHT METAL CASTINGS IN A BATH OF LIQUID IN A CONTROLLED WAY**  
[54] **METHODE ET DISPOSITIF POUR TREMPER DES PRODUITS MOULES EN METAL LEGER DANS UN BAIN LIQUIDE DE MANIERE CONTROLEE**  
[72] HUBER, JOHANN, AT  
[72] PREISINGER, JOHANN, AT  
[72] STIKA, PETER, AT  
[71] VAW MANDL & BERGER GMBH, AT  
[22] 2001-04-18  
[43] 2001-10-19  
[30] DE (100 19 306.4) 2000-04-19

**Demandes canadiennes mises à la disponibilité du public**  
**14 octobre 2001 - 23 octobre 2001**

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[21] **2,344,289**  
[13] A1

[51] **Int.Cl. 7B21B 38/00**  
[25] EN  
[54] **METHOD AND DEVICE FOR MONITORING A BEARING STRUCTURE**  
[54] **METHODE ET DISPOSITIF DE CONTROLE D'UNE STRUCTURE PORTEUSE**  
[72] BODE, JENS, DE  
[71] SKF GMBH, DE  
[22] 2001-04-18  
[43] 2001-10-19  
[30] DE (P 100 19 324.2) 2000-04-19

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[21] **2,344,295**  
[13] A1

[51] **Int.Cl. 7H04B 3/26 7H04M 7/00**  
[25] EN  
[54] **LONG SUBSCRIBER LOOPS USING MODIFIED LOAD COILS**  
[54] **LONGUES LIGNES D'ABONNES UTILISANT DES INDUCTEURS MODIFIES**  
[72] SHENOI, KISHAN, US  
[72] BOGARDUS, GARY, US  
[72] TAMBE, ATUL, US  
[71] SYMMETRICOM, INC., US  
[22] 2001-04-18  
[43] 2001-10-18  
[30] US (60/197,993) 2000-04-18  
[30] US (UNKNOWN) 2001-04-16

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[21] **2,344,297**  
[13] A1

[51] **Int.Cl. 7B41J 2/175**  
[25] EN  
[54] **INK CONTAINER AND INK JET CARTRIDGE**  
[54] **CONTENANT D'ENCRE ET CARTOUCHE POUR JET D'ENCRE**  
[72] HIGUMA, MASAHIKO, JP  
[71] CANON APTEX KABUSHIKI KAISHA, JP  
[22] 2001-04-18  
[43] 2001-10-18  
[30] JP (117066/2000) 2000-04-18  
[30] JP (103825/2001) 2001-04-02

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[21] **2,344,319**  
[13] A1

[51] **Int.Cl. 7F25B 39/02 7F28F 3/02 7H05K 7/20**  
[25] EN  
[54] **COLD PLATE UTILIZING FIN WITH EVAPORATING REFRIGERANT**  
[54] **PLAQUE REFRIGERANTE A AILETTE D'EVAPORATION**  
[72] MARSALA, JOSEPH, US  
[71] THERMAL FORM & FUNCTION LLC, US  
[22] 2001-04-18  
[43] 2001-10-19  
[30] US (60/198,424) 2000-04-19

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[21] **2,344,326**  
[13] A1

[51] **Int.Cl. 7G01N 1/28 7G01N 21/25 7G01N 1/38**  
[25] EN  
[54] **METHOD FOR ANALYZING IMPURITIES IN A GAS STREAM**  
[54] **METHODE D'ANALYSE D'IMPURETES DANS UN FLUX GAZEUX**  
[72] MALCZEWSKI, MARK LEONARD, US  
[71] PRAXAIR TECHNOLOGY, INC., US  
[22] 2001-04-18  
[43] 2001-10-19  
[30] US (09/552,734) 2000-04-19

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[21] **2,344,395**  
[13] A1

[51] **Int.Cl. 7H04L 12/24**  
[25] EN  
[54] **QOS-BASED SHORTEST PATH ROUTING FOR A HIERARCHICAL COMMUNICATION NETWORK**  
[54] **ACHEMINEMENT PAR LE CHEMIN LE PLUS COURT BASE SUR LA QUALITE DE SERVICE POUR UN RESEAU DE COMMUNICATION HIERARCHISE**  
[72] FUJITA, NORIHITO, JP  
[71] NEC CORPORATION, JP  
[22] 2001-04-18  
[43] 2001-10-18  
[30] JP (2000-116943) 2000-04-18

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[21] **2,344,413**  
[13] A1

[51] **Int.Cl. 7B32B 27/06 7F16J 15/00 7B32B 31/14 7B32B 27/20**  
[25] EN  
[54] **FLAT SEMI-FINISHED PRODUCT AND PROCESS FOR THE PRODUCTION THEREOF**  
[54] **PRODUIT PLAT MI-FINI ET PROCEDE POUR SA PRODUCTION**  
[72] MECHEN, SILVIA, DE  
[72] OETTINGER, OSWIN, DE  
[72] JUNG, MANFRED, DE  
[71] SGL CARBON AG, DE  
[22] 2001-04-18  
[43] 2001-10-19  
[30] DE (100 19 678.0) 2000-04-19

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[21] **2,344,424**  
[13] A1

[51] **Int.Cl. 7A01N 59/00**  
[25] EN  
[54] **METHOD FOR DISINFECTING WASH SOLUTION USED IN FOOD PROCESSING**  
[54] **METHODE POUR DESINFECTER UNE SOLUTION DE LAVAGE UTILISEE POUR LA TRANSFORMATION DE PRODUITS ALIMENTAIRES**  
[72] YUAN, JAMES T.C., US  
[72] VIGOR, XAVIER, US  
[72] STEINER, EDWARD F., US  
[71] L' AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET EXPLOITATION DES PROCEDES, FR  
[22] 2001-04-18  
[43] 2001-10-20  
[30] US (09/556,059) 2000-04-20

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October 14, 2001 - October 23, 2001

[21] 2,344,488  
[13] A1

[51] **Int.Cl. 7F25J 3/00**  
[25] EN  
[54] **NITROGEN REFRIGERATED  
PROCESS FOR THE RECOVERY OF C2  
+ HYDROCARBONS**  
[54] **PROCEDE DE  
REFROIDISSEMENT A L'AZOTE POUR  
LA RECUPERATION  
D'HYDROCARBURES A DEUX OU  
PLUS DE DEUX ATOMES DE  
CARBONE**  
[72] HOWARD, LEE JARVIS, US  
[72] ROWLES, HOWARD CHARLES, US  
[72] ROBERTS, MARK JULIAN, US  
[71] AIR PRODUCTS AND CHEMICALS,  
INC., US  
[22] 2001-04-10  
[43] 2001-10-19  
[30] US (09/552,927) 2000-04-19

[21] 2,344,490  
[13] A1

[51] **Int.Cl. 7C10M 141/10**  
[25] EN  
[54] **LUBRICATING OIL  
COMPOSITION HAVING EXCELLENT  
THERMAL STABILITY, EXTREME  
PRESSURE RESISTANCE AND ANTI-  
WEAR PERFORMANCE**  
[54] **COMPOSITION D'HUILE  
LUBRIFIANTE POSSEDANT UNE  
STABILITE THERMIQUE, UNE  
RESISTANCE AUX TRES HAUTES  
PRESSIONS ET DES PROPRIETES  
ANTI-USURE EXCEPTIONNELLES**  
[72] UMEHARA, KATSUMI, JP  
[72] TAKAYAMA, HIMIKO, JP  
[71] CHEVRON ORONITE JAPAN  
LIMITED, JP  
[22] 2001-04-12  
[43] 2001-10-18  
[30] JP (2000-116378) 2000-04-18

[21] 2,344,492  
[13] A1

[51] **Int.Cl. 7G01P 15/02 7G01P 15/105**  
[25] EN  
[54] **DECELERATION SENSOR FOR AN  
ELECTRIC BRAKE CONTROLLER**  
[54] **CAPTEUR DE DECELERATION  
POUR UN DISPOSITIF DE COMMANDE  
DE FREIN ELECTRIQUE**  
[72] ROBERTSON, CHARLES L., US  
[71] HAYES LEMMERZ  
INTERNATIONAL, INC., US  
[22] 2001-04-19  
[43] 2001-10-20  
[30] US (09/553,292) 2000-04-20

[21] 2,344,499  
[13] A1

[51] **Int.Cl. 7C25B 1/28**  
[25] EN  
[54] **PROCESS FOR THE PRODUCTION  
OF ALKALI METAL-AND AMMONIUM  
PEROXODISULFATE**  
[54] **PROCEDE DE PRODUCTION D'UN  
PEROXODISULFATE DE METAL  
ALCALIN OU D'AMMONIUM**  
[72] LEHMANN, THOMAS, DE  
[72] STENNER, PATRIK, DE  
[71] DEGUSSA AG, DE  
[22] 2001-04-19  
[43] 2001-10-20  
[30] DE (100 19 683.7) 2000-04-20

[21] 2,344,502  
[13] A1

[51] **Int.Cl. 7B01J 19/12 7C02F 1/30**  
[25] EN  
[54] **FLUID TREATMENT DEVICE AND  
PROCESS FOR TREATING FLUID**  
[54] **DISPOSITIF ET PROCEDE POUR  
LE TRAITEMENT DE FLUIDES**  
[72] STAROSUD, ALEX, CA  
[72] BHARGAVA, AMIT, CA  
[72] KANTAS, APOSTOLOS, CA  
[72] LANGFORD, COOPER H., CA  
[71] UNIVERSITY TECHNOLOGIES  
INTERNATIONAL INC., CA  
[22] 2001-04-19  
[43] 2001-10-19  
[30] CA (2,306,237) 2000-04-19

[21] 2,344,581  
[13] A1

[51] **Int.Cl. 7B60G 3/18**  
[25] EN  
[54] **IMPROVED FRONT-WHEEL  
SUSPENSION FOR BUSES AND SUCH**  
[54] **SUSPENSION AVANT  
AMELIOREE POUR AUTOBUS ET  
AUTRES VEHICULES DU MEME  
GENRE**  
[72] BOUCQUEY, ALAIN MARIE  
VICTOR HENRI, BE  
[71] VAN HOOL, NAAMLOZE  
VENNOOTSCHAP, BE  
[22] 2001-04-19  
[43] 2001-10-20  
[30] BE (2000/0288) 2000-04-20

[21] 2,344,582  
[13] A1

[51] **Int.Cl. 7G02B 6/42 7H04J 14/02  
7G02B 7/09**  
[25] EN  
[54] **METHOD AND APPARATUS FOR  
REDUCING THE WAVELENGTH  
DEPENDENCY OF AN INTEGRATED  
OPTICAL FILTER**  
[54] **METHODE ET APPAREIL POUR  
REDUIRE LA DEPENDANCE PAR  
RAPPORT A LA LONGUEUR D'ONDE  
D'UN FILTRE OPTIQUE INTEGRE**  
[72] DELISLE, VINCENT, CA  
[72] HNATIW, ALAN J.P., CA  
[71] JDS UNIPHASE INC., CA  
[22] 2001-04-19  
[43] 2001-10-20  
[30] US (60/198,573) 2000-04-20

[21] 2,344,588  
[13] A1

[51] **Int.Cl. 7F15B 15/02 7F15B 13/06  
7B66C 23/86**  
[25] EN  
[54] **TURNING DEVICE**  
[54] **DISPOSITIF DE ROTATION**  
[72] HEIKKILA, RISTO, FI  
[71] HEIKKILA, RISTO, FI  
[22] 2001-04-19  
[43] 2001-10-19  
[30] FI (20000943) 2000-04-19

[21] 2,344,598  
[13] A1

[51] **Int.Cl. 7A23L 1/212**  
[25] EN  
[54] **VACUOUSLY COOKED CORN  
AND VACUOUS COOKING METHOD  
OF CORN**  
[54] **MAIS CUIT SOUS VIDE ET  
METHODE DE CUISSON SOUS VIDE  
DU MAIS**  
[72] TANI, TAKAYUKI, JP  
[71] MITSUI KANKO TRADING  
CORPORATION, JP  
[71] TANI PLANNING CO, LTD., JP  
[22] 2001-04-19  
[43] 2001-10-19  
[30] JP (117587/2000) 2000-04-19

**Demandes canadiennes mises à la disponibilité du public**  
**14 octobre 2001 - 23 octobre 2001**

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[21] **2,344,609**  
[13] A1

[51] **Int.Cl. 7H04J 14/02**  
[25] EN  
[54] **ARRAYED WAVEGUIDE GRATING HAVING A REFLECTIVE INPUT COUPLING**  
[54] **GUIDE D'ONDES EN RESEAU A ENTREE REFLECHISSANTE DE COUPLAGE**  
[72] HNATIW, ALAN J.P., CA  
[72] DELISLE, VINCENT, CA  
[72] OLIVER, STEVEN DAVID, CA  
[71] JDS UNIPHASE INC., CA  
[22] 2001-04-19  
[43] 2001-10-20  
[30] US (60/198,573) 2000-04-20

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[21] **2,344,624**  
[13] A1

[51] **Int.Cl. 7H01M 2/04**  
[25] EN  
[54] **UNITARY LID FOR AN ELECTROCHEMICAL CELL**  
[54] **COUVERCLE UNITAIRE POUR UNE PILE ELECTROCHIMIQUE**  
[72] CARROLL, JAMES, US  
[72] QUATTRINI, PAUL J., US  
[72] MCNAMARA, GEORGE, US  
[72] WARCHOCKI, DAVID, US  
[71] WILSON GREATBATCH LTD., US  
[22] 2001-04-19  
[43] 2001-10-19  
[30] US (60/198,175) 2000-04-19

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[21] **2,344,729**  
[13] A1

[51] **Int.Cl. 7E21B 33/134**  
[25] EN  
[54] **INTELLIGENT THRU TUBING BRIDGE PLUG WITH DOWNHOLE INSTRUMENTATION**  
[54] **BOUCHON PROVISOIRE DE TUBAGE DEBOUCHANT INTELLIGENT AVEC INSTRUMENTATION DE FOND DE Puits**  
[72] VAN BUSKIRK, RICHARD, US  
[72] WILLAUER, DARRIN L., US  
[71] BAKER HUGHES INCORPORATED, US  
[22] 2001-04-19  
[43] 2001-10-19  
[30] US (60/198,065) 2000-04-19

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[21] **2,344,612**  
[13] A1

[51] **Int.Cl. 7B64C 9/24 7B64C 23/00**  
[25] EN  
[54] **AERODYNAMIC NOISE REDUCING STRUCTURE FOR AIRCRAFT WING SLATS**  
[54] **STRUCTURE POUR REDUIRE LE BRUIT AERODYNAMIQUE POUR DES BECS DE SECURITE D'AILES D'AERONEFS**  
[72] GLEINE, WOLFGANG, DE  
[72] MAU, KNUT, DE  
[72] CARL, UDO, DE  
[71] GLEINE, WOLFGANG, DE  
[71] MAU, KNUT, DE  
[71] CARL, UDO, DE  
[22] 2001-04-17  
[43] 2001-10-17  
[30] DE (100 19 185.1) 2000-04-17

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[21] **2,344,626**  
[13] A1

[51] **Int.Cl. 7E21B 10/16**  
[25] EN  
[54] **METHOD FOR APPLYING HARDFACING TO A SUBSTRATE AND ITS APPLICATION TO CONSTRUCTION OF MILLED TOOTH DRILL BITS**  
[54] **METHODE D'APPLICATION D'UN REVETEMENT DUR A UN SUBJECTILE ET SES APPLICATIONS DANS LA CONSTRUCTION DE FLEURETS A DENTURE FRAISEE**  
[72] MOURIK, NEPHI MARK, US  
[72] SUE, JIJEN ALBERT, US  
[72] WHITE, ALYSIA CANSON, US  
[71] SMITH INTERNATIONAL, INC., US  
[22] 2001-04-18  
[43] 2001-10-19  
[30] US (09/552,534) 2000-04-19

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[21] **2,344,758**  
[13] A1

[51] **Int.Cl. 7G01F 23/292 7B41J 2/175 7G01F 23/64**  
[25] EN  
[54] **SYSTEM FOR REGISTRATION OF A FLUID LEVEL IN A RECEPTACLE**  
[54] **SYSTEME D'ENREGISTREMENT DU NIVEAU DE FLUIDE DANS UN RECIPIENT**  
[72] LOCHER, PHILIPPE GEORGES, CH  
[72] BURGIN, MARKUS, CH  
[72] KRETSCHMER, JOACHIM, CH  
[71] PELIKAN PRODUKTIONS AG, CH  
[22] 2001-04-18  
[43] 2001-10-18  
[30] DE (100 19 223.8) 2000-04-18

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[21] **2,344,617**  
[13] A1

[51] **Int.Cl. 7B32B 3/12**  
[25] EN  
[54] **ENCLOSED RETRACTABLE PANEL MADE FROM CELL-INSIDE-A CELL HONEYCOMB MATERIAL**  
[54] **PANNEAU RETRACTABLE FAIT D'UN MATERIAU EN NID D'ABEILLE, UNE CELLULE DANS L'AUTRE**  
[72] THRONE, JASON T., US  
[72] COLSON, WENDELL B., US  
[72] SWISZCZ, PAUL, US  
[71] HUNTER DOUGLAS INC., US  
[22] 2001-04-18  
[43] 2001-10-19  
[30] US (09/550,365) 2000-04-19

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[21] **2,344,630**  
[13] A1

[51] **Int.Cl. 7G01M 13/04**  
[25] EN  
[54] **METHOD AND DEVICE FOR MONITORING A BEARING STRUCTURE**  
[54] **METHODE ET APPAREIL POUR SURVEILLANCE D'UNE STRUCTURE PORTANTE**  
[72] SONTHEIMER, RUDIGER, DE  
[72] SCHOLL, JURGEN, DE  
[71] SKF GMBH, DE  
[22] 2001-04-18  
[43] 2001-10-19  
[30] DE (P 100 19 325.0) 2000-04-19

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[21] **2,344,770**  
[13] A1

[51] **Int.Cl. 7C12N 15/10 7A01H 5/00 7C12N 5/04 7A01H 5/10 7C12N 5/10 7C12N 15/29 7C12N 15/63**  
[25] EN  
[54] **DNA ENCODING FOR A DISEASE RESISTANCE GENE FROM COMMON BEAN AND METHODS OF USE**  
[54] **ADN CODANT POUR UN GENE DE RESISTANCE AUX MALADIES DU HARICOT ET METHODES D'UTILISATION**  
[72] KELLY, JAMES D., US  
[72] MELOTTO, MAELI, US  
[71] BOARD OF TRUSTEES OPERATING MICHIGAN STATE UNIVERSITY, US  
[22] 2001-04-20  
[43] 2001-10-20  
[30] US (60/199,064) 2000-04-20

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October 14, 2001 - October 23, 2001

[21] **2,344,780**

[13] A1

[51] **Int.Cl. 7B01J 21/06 7B01J 19/12 7B01D 53/32**  
[25] EN  
[54] **METHOD, CATALYST AND PHOTOCATALYST FOR THE DESTRUCTION OF PHOSGENE**  
[54] **METHODE, CATALYSEUR ET PHOTOCATALYSEUR PERMETTANT D'ELIMINER LE PHOSGENE**  
[72] KITTRELL, JAMES R., US  
[72] GERRISH, DAVID A., US  
[72] MILAZZO, MICHAEL C., US  
[71] KSE INC., US  
[22] 2001-04-19  
[43] 2001-10-20  
[30] US (09/553,627) 2000-04-20

[21] **2,344,794**

[13] A1

[51] **Int.Cl. 7B41J 2/40 7B41M 5/20**  
[25] EN  
[54] **DOUBLE LINE ELECTRODE UNIT FOR ELECTRO-COAGULATION PRINTER AND METHOD OF MAKING IT**  
[54] **ENSEMBLE D'ELECTRODES EN DOUBLE LIGNE POUR IMPRIMANTE A ELECTRO-COAGULATION ET METHODE DE FABRICATION DE CET ENSEMBLE**  
[72] MUROI, KUNIMASA, JP  
[72] TODA, KOJI, JP  
[71] YAMAHA CORPORATION, JP  
[22] 2001-04-20  
[43] 2001-10-20  
[30] JP (2000-119963) 2000-04-20

[21] **2,344,783**

[13] A1

[51] **Int.Cl. 7B42D 15/00**  
[25] EN  
[54] **PERSONAL INFORMATION PROTECTING SHEET**  
[54] **FEUILLE DE PROTECTION DE RENSEIGNEMENTS PERSONNELS**  
[72] HIROSE, KENJI, JP  
[72] TSUBOUCHI, TAKAO, JP  
[72] UEKI, MARIKO, JP  
[72] TOYAMA, YAYOI, JP  
[71] HISAGO KABUSHIKI KAISHA, JP  
[22] 2001-04-19  
[43] 2001-10-20  
[30] JP (2000-119848) 2000-04-20

[21] **2,344,798**

[13] A1

[51] **Int.Cl. 7F23K 5/08 7F23J 15/00 7F23D 11/32**  
[25] EN  
[54] **A DEVICE FOR SUPPRESSING BLACK SMOKE EMISSION**  
[54] **UN DISPOSITIF POUR ELIMINER LES EMISSIONS DE FUMEE NOIRE**  
[72] NOZATO, KIYOSHI, JP  
[71] NOZATO, KIYOSHI, JP  
[22] 2001-04-19  
[43] 2001-10-19  
[30] JP (2000-117392) 2000-04-19

[21] **2,344,786**

[13] A1

[51] **Int.Cl. 7A61F 13/514**  
[25] EN  
[54] **ABSORBENT ARTICLE HAVING A HIGH COEFFICIENT OF FRICTION BACKSHEET AND A SELF-RELEASE TAPE TAB**  
[54] **ARTICLE ABSORBANT A REVERS DONT LE COEFFICIENT DE FROTTEMENT EST ELEVE ET QUI EST MUNI D'UN RUBAN PERMETTANT DE LE RETIRER SEUL**  
[72] MOTTA, MIRIAM, US  
[72] LUIZZI, JOSEPH MICHAEL JR., US  
[71] MCNEIL-PPC, INC., US  
[22] 2001-04-19  
[43] 2001-10-20  
[30] US (09/553,576) 2000-04-20

[21] **2,344,800**

[13] A1

[51] **Int.Cl. 7G06F 17/60**  
[25] EN  
[54] **LOCOMOTIVE WRECK REPAIR**  
[54] **REPARATION D'UNE LOCOMOTIVE ACCIDENTEE**  
[72] BADGER, BRIAN, US  
[72] STEMPKA, RAYMOND PAUL, US  
[72] VASH, KATHLEEN M., US  
[72] LUBAK, MICHAEL A., US  
[72] SMITH, JEFFERY M., US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2001-04-20  
[43] 2001-10-20  
[30] US (60/198,562) 2000-04-20

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[21] **2,351,004**  
[13] A1  
[51] **Int.Cl. 7A61K 31/565 7A61K 9/08**  
[25] EN  
[54] **FORMULATION**  
[54] **FORMULATION**  
[72] EVANS, JOHN RAYMOND, GB  
[72] GRUNDY, ROSALIND URSULA, GB  
[71] ASTRAZENECA AB, SE  
[85] 2001-04-23  
[86] 2001-01-08 (PCT/GB01/00049)  
[87] 2001-07-10 ()  
[30] GB (0000313.7) 2000-01-10  
[30] GB (0008837.7) 2000-04-12

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[21] **2,351,739**  
[13] A1  
[51] **Int.Cl. 7C08G 69/10 7C07K 1/107**  
[25] EN  
[54] **POLYAMIDE CHAINS OF  
PRECISE LENGTH, METHODS TO  
MANUFACTURE THEM AND THEIR  
CONJUGATES**  
[54] **CHAINES POLYAMIDES DE  
LONGUEUR PRECISE, PROCEDE DE  
FABRICATION ET LEUR CONJUGUES  
AVEC DES PROTEINES**  
[72] ROSE, KEITH, CH  
[71] GRYPHON SCIENCES, US  
[85] 2001-02-23  
[86] 1999-08-24 (PCT/US99/19280)  
[87] 2000-03-09 (WO00/12587)  
[30] US (60/098,351) 1998-08-28  
[30] US (60/105,261) 1998-10-22  
[30] US (60/124,266) 1999-03-11

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[21] **2,351,740**  
[13] A1  
[51] **Int.Cl. 7C12Q 1/68 7C12Q 1/70**  
[25] EN  
[54] **METHOD FOR THE  
QUANTITATIVE DETECTION OF  
NUCLEIC ACIDS**  
[54] **TECHNIQUE PERMETTANT LA  
DETECTION QUANTITATIVE DES  
ACIDES NUCLEIQUES**  
[72] LUSSO, PAOLO, IT  
[72] LOCATELLI, GIUSEPPE, IT  
[72] SCARLATTI, GABRIELLA, IT  
[72] SALVATORI, FRANCESCA, IT  
[72] MALNATI, MAURO, IT  
[71] FONDAZIONE CENTRO SAN  
RAFFAELE DEL MONTE TABOR, IT  
[85] 2001-05-16  
[86] 1999-11-17 (PCT/EP99/08847)  
[87] 2000-05-25 (WO00/29613)  
[30] IT (MI98A002491) 1998-11-17

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[21] **2,357,803**  
[13] A1  
[51] **Int.Cl. 6C07C 311/44 6C07D 251/04  
6C07D 249/08 6C07D 285/08**  
[25] EN  
[54] **ARYL- AND  
HETEROARYLAMIDES OF  
CARBOALKOXYSULFANILIC ACIDS**  
[54] **ARYL- ET HETEROARYLAMIDES  
D'ACIDES  
CARBOALKOXYSULFANILIQUES**  
[72] ASHKINAZI, RIMMA ILIINICHNA,  
RU  
[72] KRUTIKOV, VIKTOR IOSIFOVICH,  
RU  
[71] ASHKINAZI, RIMMA ILIINICHNA,  
RU  
[71] KRUTIKOV, VIKTOR IOSIFOVICH,  
RU  
[85] 2001-10-11  
[86] 1998-12-04 (PCT/RU98/00385)  
[87] 2000-06-15 (WO00/34234)

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[21] **2,357,811**  
[13] A1  
[51] **Int.Cl. 7C12N 15/27 7A61K 38/19  
7C12N 1/21 7C07K 14/535**  
[25] EN  
[54] **NUCLEIC ACIDS AND PROTEINS  
CORRESPONDING TO MUTANTS OF  
G-CSF WITH GRANULOPOIETIC  
ACTIVITY**  
[54] **ACIDES NUCLEIQUES ET  
PROTEINES CORRESPONDANT AUX  
MUTANTS DU FACTEUR STIMULANT  
LES COLONIES DE GRANULOCYTES  
(G-CSF) A ACTIVITE  
GRANULOPOIETIQUE**  
[72] DAHIYAT, BASSIL, US  
[72] LUO, PEIZHI, US  
[71] XENCOR, INC., US  
[85] 2001-07-04  
[86] 2000-01-06 (PCT/US00/00300)  
[87] 2000-07-13 (WO00/40728)  
[30] US (60/115,131) 1999-01-06  
[30] US (60/118,831) 1999-02-05

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[21] **2,357,823**  
[13] A1  
[51] **Int.Cl. 7G06F 3/00**  
[25] EN  
[54] **METHOD OF ANALYZING,  
ORGANIZING AND VISUALIZING  
CHEMICAL DATA WITH FEATURE  
HIERARCHY**  
[54] **PROCEDE POUR ANALYSER,  
ORGANISER ET VISUALISER DES  
DONNEES CHIMIQUES AVEC  
HIERARCHIE DES PARAMETRES**  
[72] BLOWER, PAUL E., JR., US  
[72] MYATT, GLENN J., US  
[72] JOHNSON, WAYNE P., US  
[71] LEADSCOPE, INC., US  
[85] 2001-07-03  
[86] 2000-01-04 (PCT/US00/00111)  
[87] 2000-07-13 (WO00/41060)  
[30] US (09/224,976) 1999-01-04

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[21] **2,357,829**  
[13] A1

[51] **Int.Cl. 7H04J 14/02**  
[25] FR  
[54] **SYSTEME DE TRANSMISSION OPTIQUE A SIGNAUX DE CHARGE SDH OU FEC, AVEC UNE SURMODULATION DE SOUS PORTEUSE OPTIMISEE**

[54] **OPTICAL TRANSMISSION SYSTEM WITH SDH OR FEC ENERGIZING SIGNALS, WITH OPTIMISED SUBCARRIER OVER-MODULATION**

[72] BEYLAT, JEAN-LUC, FR  
[72] BRUYERE, FRANCK, FR  
[72] BISSON, ARNAUD, FR  
[72] NOIRIE, LUDOVIC, FR  
[71] ALCATEL, FR  
[85] 2001-06-21  
[86] 2000-10-25 (PCT/FR00/02972)  
[87] 2001-05-03 (WO01/31825)  
[30] FR (99/13262) 1999-10-25

[21] **2,357,830**  
[13] A1

[51] **Int.Cl. 7C12N 15/66**  
[25] FR  
[54] **CONSTRUCT OF RECOMBINANT NUCLEIC ACIDS CIRCULARISED BY DNA COMPACTING AGENTS**

[54] **CONSTRUCTION D'ACIDES NUCLEIQUES RECOMBINANTS CIRCULARISES AU MOYEN D'AGENTS COMPACTANT L'ADN**

[72] AMOUYAL, MICHELE, FR  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR  
[85] 2001-07-05  
[86] 2000-01-04 (PCT/FR00/00004)  
[87] 2000-07-13 (WO00/40735)  
[30] FR (99/00148) 1999-01-08

[21] **2,357,832**  
[13] A1

[51] **Int.Cl. 7D21H 27/40 7B31F 1/07**  
[25] FR  
[54] **PRODUIT EN PAPIER ABSORBANT COMPRENANT DEUX PLIS**  
[54] **ABSORBENT PAPER PRODUCT COMPRISING TWO PLIES**

[72] LAURENT, PIERRE, FR  
[72] RUPPEL, REMY, FR  
[72] ROUSSEL, GILLES, FR  
[71] GEORGIA-PACIFIC FRANCE, FR  
[85] 2001-06-28  
[86] 2000-01-05 (PCT/FR00/00007)  
[87] 2000-07-13 (WO00/40800)  
[30] FR (99/00033) 1999-01-05

[21] **2,357,837**  
[13] A1

[51] **Int.Cl. 7A61K 31/155 7A61K 31/40**  
[25] EN  
[54] **THE UTILISATION OF INHIBITORS OF THE SODIUM HYDROGEN EXCHANGER FOR PRODUCING A MEDICAMENT FOR PREVENTING ORGAN**

**DYSFUNCTIONS AND DISEASES RELATED TO A PARTICULAR AGE AND FOR PROLONGING LIFE**  
[54] **UTILISATION D'INHIBITEURS DE L'ECHANGEUR SODIUM-HYDROGENE POUR PREPARER UN MEDICAMENT DESTINE A PREVENIR LES DYSFONCTIONNEMENTS ORGANIQUES DUS AU VIEILLISSEMENT, LES AFFECTIONS DUES AU VIEILLISSEMENT ET A AUGMENTER L'ESPERANCE DE VIE**

[72] LANG, HANS-JOCHEN, DE  
[72] KELETY, BELA, DE  
[72] SCHMID, PETER, DE  
[72] LINZ, WOLFGANG, DE  
[71] AVENTIS PHARMA DEUTSCHLAND GMBH, DE  
[85] 2001-06-26  
[86] 1999-12-08 (PCT/EP99/09621)  
[87] 2000-07-06 (WO00/38661)  
[30] DE (198 59 727.4) 1998-12-23

[21] **2,357,838**  
[13] A1

[51] **Int.Cl. 7A61L 2/20**  
[25] EN  
[54] **A METHOD OF STERILIZING AN ARTICLE AND CERTIFYING THE ARTICLE AS STERILE**  
[54] **METHODE DE STERILISATION D'UN ARTICLE GARANTISSANT L'ASEPSIE DUDIT ARTICLE**

[72] JACOBS, PAUL, US  
[72] LIN, SZU-MIN, US  
[72] WANG, JENN-HANN, US  
[71] ETHICON, INC., US  
[85] 2001-06-28  
[86] 1999-12-29 (PCT/US99/31100)  
[87] 2000-07-06 (WO00/38745)  
[30] US (09/223,479) 1998-12-30

[21] **2,357,840**  
[13] A1

[51] **Int.Cl. 7E02D 19/00**  
[25] EN  
[54] **SHEET-LIKE MASONRY BLOCK DRAINAGE SYSTEM**  
[54] **SYSTEME DE DRAINAGE EN FORME DE FEUILLE POUR BLOC DE MACONNERIE**

[72] BARTLETT, KEITH R., US  
[72] JENKINS, ROBERT F., US  
[72] STRIEDNIG, JOHN A., US  
[72] STARKE, DONALD A., US  
[71] W.R. GRACE & CO., US  
[85] 2001-07-04  
[86] 2000-01-03 (PCT/US00/00036)  
[87] 2000-07-13 (WO00/40809)  
[30] US (60/114,780) 1999-01-05

[21] **2,357,843**  
[13] A1

[51] **Int.Cl. 7A61L 2/20**  
[25] EN  
[54] **PROCESS FOR CONCENTRATING A STERILANT AND STERILIZING ARTICLES THEREWITH**  
[54] **PROCEDE DE CONCENTRATION D'UN STERILISANT ET STERILISATION D'ARTICLES AVEC LEDIT STERILISANT**

[72] WANG, JENN-HANN, US  
[72] JACOBS, PAUL, US  
[72] LIN, SZU-MIN, US  
[71] ETHICON, INC., US  
[71] ETHICON, INC., US  
[71] ETHICON, INC., US  
[85] 2001-06-29  
[86] 1999-12-29 (PCT/US99/31140)  
[87] 2000-07-06 (WO00/38746)  
[30] US (09/223,479) 1998-12-30

[21] **2,357,867**  
[13] A1

[51] **Int.Cl. 7C07D 257/04 7A01N 43/713**  
[25] EN  
[54] **NOVEL TETRAZOLINONE DERIVATIVES**

[54] **DERIVES DE TETRAZOLINONE**  
[72] WATANABE, YUKIYOSHI, JP  
[72] ITO, SEISHI, JP  
[72] GOTO, TOSHIO, JP  
[71] NIHON BAYER AGROCHEM K.K., JP  
[85] 2001-07-05  
[86] 2000-01-04 (PCT/IB00/00008)  
[87] 2000-07-13 (WO00/40568)  
[30] JP (11/2774) 1999-01-08  
[30] JP (11/200321) 1999-07-14

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<p style="text-align: right;">[21] <b>2,357,871</b> [13] A1</p> <p>[51] <b>Int.Cl. 7G01J 3/28 7G01J 3/12</b> [25] EN [54] <b>DEVICE WITH SPECTRAL REJECTION FOR FORMING AN IMAGE ON AN OPTICAL SENSOR</b> [54] <b>DISPOSITIF A REJET SPECTRAL DE FORMATION D'UNE IMAGE SUR UN CAPTEUR OPTIQUE</b> [72] GUERN, YVES, FR [71] ARCHITECTURE, TRAITEMENT D'IMAGES ET SIMULATION, FR [85] 2001-06-29 [86] 1999-12-20 (PCT/FR99/03243) [87] 2000-07-13 (WO00/40936) [30] FR (98/16729) 1998-12-31</p>	<p style="text-align: right;">[21] <b>2,357,874</b> [13] A1</p> <p>[51] <b>Int.Cl. 7C07D 335/02 7A61P 29/00 7C07D 409/04 7C07D 339/08 7C07D 409/12 7C07D 409/14 7A61P 31/18 7A61K 31/38 7A61K 31/385 7A61K 31/44 7C07D 333/48</b> [25] EN [54] <b>THIOPYRAN COMPOUNDS AS INHIBITORS OF MMP</b> [54] <b>COMPOSE CYCLIQUE</b> [72] HOSOI, KUMI, JP [72] SATO, KENTARO, JP [72] YOSHIDA, NORIKO, JP [72] TOMISHIMA, YASUYO, JP [72] SETOI, HIROYUKI, JP [72] NEYA, MASAHIRO, JP [72] TANIGUCHI, KIYOSHI, JP [72] TAKASUGI, HISASHI, JP [72] IMAMURA, YOSHIMASA, JP [72] YAMAZAKI, HITOSHI, JP [72] TERASAWA, TAKESHI, JP [71] FUJISAWA PHARMACEUTICAL CO., LTD., JP [85] 2001-07-05 [86] 2000-01-06 (PCT/JP00/00018) [87] 2000-07-13 (WO00/40576) [30] AU (PP 8068) 1999-01-07 [30] AU (PQ 1702) 1999-07-19</p>	<p style="text-align: right;">[21] <b>2,357,880</b> [13] A1</p> <p>[51] <b>Int.Cl. 7C08B 31/06</b> [25] EN [54] <b>STARCH PHOSPHATES, METHOD FOR THE PRODUCTION THEREOF AND THEIR USE</b> [54] <b>PHOSPHATES D'AMIDON, LEUR PROCEDE DE PRODUCTION ET LEUR UTILISATION</b> [72] CAMACHO, JUAN, DE [72] LANGE, ECKEHARD, DE [72] PIESCHEL, FRIEDEMANN, DE [71] EISU INNOVATIVE GESELLSCHAFT FUR TECHNIK UND UMWELTSCHUTZ MBH, DE [85] 2001-06-21 [86] 1999-12-20 (PCT/EP99/10134) [87] 2000-06-29 (WO00/37505) [30] DE (198 59 123.3) 1998-12-21</p>
<p style="text-align: right;">[21] <b>2,357,872</b> [13] A1</p> <p>[51] <b>Int.Cl. 7C04B 28/02 7C04B 14/02 7C04B 14/06 7H05B 3/14</b> [25] EN [54] <b>COMPOSITE ELECTROCONDUCTING MATERIAL</b> [54] <b>CORPS COMPOSITE ELECTROCONDUCTEUR</b> [72] MIODUSHEVSKY, PAVEL V., RU [72] RAEVSKAYA, GALINA A., RU [72] RAPIAH, LEONID N., RU [71] POWERCO S.P.A., IT [85] 2001-06-29 [86] 2000-01-07 (PCT/IT00/00008) [87] 2000-07-13 (WO00/40519) [30] IT (RM99A000003) 1999-01-07</p>	<p style="text-align: right;">[21] <b>2,357,896</b> [13] A1</p> <p>[51] <b>Int.Cl. 7H04L 29/06</b> [25] FR [54] <b>PROCEDE DE TRANSPORT DE PAQUETS ENTRE UNE INTERFACE D'ACCES ET UN RESEAU PARTAGE</b> [54] <b>METHOD FOR TRANSPORTING PACKETS BETWEEN AN ACCESS INTERFACE AND A SHARED NETWORK</b> [72] HERSENT, OLIVIER, FR [71] NETCENTREX, FR [85] 2001-06-08 [86] 1999-12-10 (PCT/FR99/03097) [87] 2000-06-22 (WO00/36778) [30] FR (98/15756) 1998-12-14</p>	



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<p style="text-align: right;">[21] <b>2,357,909</b> [13] A1</p> <p>[51] <b>Int.Cl. 7H04L 29/06</b> [25] FR [54] <b>DISPOSITIF ET PROCEDE DE TRAITEMENT D'UNE SEQUENCE DE PAQUETS D'INFORMATION</b> [54] <b>DEVICE AND METHOD FOR PROCESSING A DATA PACKET SEQUENCE</b> [72] HERSENT, OLIVIER, FR [71] NETCENTREX, FR [85] 2001-06-08 [86] 1999-12-10 (PCT/FR99/03099) [87] 2000-06-22 (WO00/36779) [30] FR (98/15757) 1998-12-14</p>	<p style="text-align: right;">[21] <b>2,357,928</b> [13] A1</p> <p>[51] <b>Int.Cl. 7H01M 8/02 7H01M 8/10</b> [25] EN [54] <b>FUEL CELL FLUID FLOW FIELD PLATE AND METHODS OF MAKING FUEL CELL FLOW FIELD PLATES</b> [54] <b>PLAQUE A CHAMPS D'ECOULEMENT DE FLUIDE, POUR CELLULE ELECTROCHIMIQUE, ET PROCEDE DE FABRICATION DE PLAQUES A CHAMP D'ECOULEMENT DE FLUIDE, POUR CELLULES ELECTROCHIMIQUES</b> [72] GIBB, PETER R., CA [71] BALLARD POWER SYSTEMS INC., CA [85] 2001-06-29 [86] 1999-12-21 (PCT/CA99/01214) [87] 2000-07-13 (WO00/41260) [30] US (09/223,356) 1998-12-30</p>	<p style="text-align: right;">[21] <b>2,357,976</b> [13] A1</p> <p>[51] <b>Int.Cl. 7B26B 21/22 7B26B 21/52</b> [25] EN [54] <b>SURFACE CONFORMING SHAVING RAZOR AND HANDLE THEREFOR</b> [54] <b>RASOIR EPOUSANT LES CONTOURS D'UNE SURFACE, ET MANCHE ASSOCIE</b> [72] BOSY, BRIAN J., US [72] LODATO, FRANCO, US [72] PAPPAS, DAVID L., US [72] CHENVAINU, ALEXANDER T., US [72] RAMASWAMY, RAJAN, ES [71] THE GILLETTE COMPANY, US [85] 2001-06-26 [86] 1999-12-28 (PCT/US99/31091) [87] 2000-07-06 (WO00/38893) [30] US (09/223,938) 1998-12-31</p>
<p style="text-align: right;">[21] <b>2,357,914</b> [13] A1</p> <p>[51] <b>Int.Cl. 7A61F 7/00</b> [25] EN [54] <b>COOLING SYSTEM FOR INDWELLING HEAT EXCHANGE CATHETER</b> [54] <b>SYSTEME DE REFROIDISSEMENT POUR CATHETER D'ECHANGE THERMIQUE A DEMEURE</b> [72] WORTHEN, WILLIAM J., US [72] NODA, WAYNE A., US [71] ALSIUS CORPORATIN, US [85] 2001-07-05 [86] 1999-12-23 (PCT/US99/31008) [87] 2000-07-06 (WO00/38601) [30] US (09/220,897) 1998-12-24</p>	<p style="text-align: right;">[21] <b>2,357,933</b> [13] A1</p> <p>[51] <b>Int.Cl. 7C23C 14/06 7B32B 15/04 7G11B 7/24 7G11B 7/26 7C23C 14/34</b> [25] EN [54] <b>LAMINATE STRUCTURE AND PRODUCTION METHOD THEREFOR</b> [54] <b>STRUCTURE DE LAMINE ET PROCEDE DE PRODUCTION A CET EFFET</b> [72] YOSHIKAWA, MASATO, JP [72] KUMAGAI, SHO, JP [71] BRIDGESTONE CORPORATION, JP [85] 2001-06-21 [86] 1999-12-02 (PCT/JP99/06778) [87] 2000-06-29 (WO00/37708) [30] JP (10/365235) 1998-12-22 [30] JP (11/337616) 1999-11-29</p>	<p style="text-align: right;">[21] <b>2,357,977</b> [13] A1</p> <p>[51] <b>Int.Cl. 7A61K 31/17 7A61P 37/06 7A61K 31/445 7A61K 31/4468 7A61K 31/45</b> [25] EN [54] <b>USE OF A NITROSOUREA DERIVATIVE FOR PREVENTION OR TREATMENT OF ACUTE ALLOGRAFT REJECTION</b> [54] <b>METHODE DE PREVENTION OU DE TRAITEMENT DU REJET AIGU D'UNE ALLOGREFFE ET COMPOSITION PHARMACEUTIQUE ASSOCIEE</b> [72] KAHN, DONALD R., US [72] TEMPLE, CARROLL, US [72] PIPER, JAMES R., US [72] BLATTER, HERBERT M., US [72] SECRIST, JOHN A., III, US [72] STRUCK, ROBERT F., US [71] SOUTHERN RESEARCH INSTITUTE, US [85] 2001-06-29 [86] 1999-12-28 (PCT/US99/30985) [87] 2000-07-06 (WO00/38668) [30] US (09/221,602) 1998-12-29</p>
<p style="text-align: right;">[21] <b>2,357,923</b> [13] A1</p> <p>[51] <b>Int.Cl. 7A23G 3/30</b> [25] EN [54] <b>METHOD OF COATING COMESTIBLES WITH SYRUP AND POWDER</b> [54] <b>ENROBAGE DE PRODUITS COMESTIBLES AU MOYEN DE SIROP ET DE POUDRE</b> [72] BARKALOW, DAVID G., US [72] RICHEY, LINDELL C., US [72] ZUEHLKE, JULIUS W., US [71] WM. WRIGLEY JR. COMPANY, US [85] 2001-06-29 [86] 1999-12-29 (PCT/US99/31313) [87] 2000-07-06 (WO00/38532) [30] US (60/114,265) 1998-12-30</p>	<p style="text-align: right;">[21] <b>2,357,950</b> [13] A1</p> <p>[51] <b>Int.Cl. 7C12N 15/11 7A61P 17/00 7A61P 29/00 7C07H 21/02 7A61K 31/712</b> [25] EN [54] <b>THERAPEUTIC PHOSPHODIESTERASE INHIBITORS</b> [54] <b>INHIBITEURS DE LA PHOSPHODIESTERASE UTILISES A DES FINS THERAPEUTIQUES</b> [72] DALE, RODERIC M. K., US [72] ARROW, AMY, US [72] THOMPSON, TERRY, US [71] OLIGOS ETC. INC., US [85] 2001-07-03 [86] 1999-12-15 (PCT/US99/29976) [87] 2000-07-13 (WO00/40714) [30] US (09/223,586) 1998-12-30 [30] US (09/364,626) 1999-07-29</p>	

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[21] **2,357,986**  
[13] A1

[51] **Int.Cl. 7C07H 21/00 7A61K 31/70**  
[25] EN  
[54] **ACID STABLE BACKBONE MODIFIED END-BLOCKED NUCLEIC ACIDS AND THERAPEUTIC USES THEREOF**  
[54] **ACIDES NUCLEIQUES A EXTREMITES BLOQUEES, SQUELETTE MODIFIE ET STABILITE ACIDE ET LEURS UTILISATIONS THERAPEUTIQUES**  
[72] GATTON, STEVEN L., US  
[72] DALE, RODERIC M. K., US  
[72] ARROW, AMY, US  
[71] OLIGOS ETC. INC., US  
[85] 2001-07-03  
[86] 1999-12-16 (PCT/US99/30266)  
[87] 2000-07-13 (WO00/40592)  
[30] US (09/223,498) 1998-12-30  
[30] US (09/356,069) 1999-07-19

[21] **2,357,996**  
[13] A1

[51] **Int.Cl. 7C12N 15/31 7A61K 39/09 7C07K 16/12 7C07K 14/315 7C12N 15/63**  
[25] EN  
[54] **STREPTOCOCCAL ABC TRANSPORTER PROTEIN**  
[54] **PROTEINE TRANSPORTEUSE ABC ANTI-STREPTOCOQUES**  
[72] JANULCZYK, ROBERT, SE  
[72] BJORCK, LARS, SE  
[71] ACTINOVA LIMITED, GB  
[85] 2001-06-28  
[86] 1999-12-30 (PCT/GB99/04445)  
[87] 2000-07-13 (WO00/40729)  
[30] GB (9828880.6) 1998-12-31

[21] **2,358,013**  
[13] A1

[51] **Int.Cl. 7A61K 35/78 7A23L 1/29 7A61K 7/48**  
[25] EN  
[54] **COMPOSITIONS OBTAINED FROM MANGIFERA INDICA L.**  
[54] **COMPOSITIONS OBTENUES A PARTIR DE MANGIFERA INDICA L.**  
[72] GARCIGA HERNANDEZ, MARIA ROSA, CU  
[72] MORALES LACARRERE, IVAN GASTON, CU  
[72] GARRIDO GARRIDO, GABINO, CU  
[72] CAPOTE HERNANDEZ, RAUL, CU  
[72] GARCIA PULPEIRO, OSCAR, CU  
[72] AGUERO AGUERO, JUAN, CU  
[72] NUNEZ SELLES, ALBERTO JULIO, CU  
[72] MORALES, MIGUEL, CL  
[72] AMARO GONZALEZ, DANIEL, CU  
[72] PAEZ BETANCOURT, ELEUTERIO, CU

[72] MARTINEZ SANCHEZ, GREGORIO, CU  
[72] ACOSTA ESQUIJAROSA, JHOANY, CU  
[71] CENTRO DE QUIMICA FARMACEUTICA, CU  
[85] 2001-06-29  
[86] 1999-12-29 (PCT/CU99/00007)  
[87] 2000-07-06 (WO00/38699)  
[30] CU (203/98) 1998-12-29

[21] **2,358,014**  
[13] A1

[51] **Int.Cl. 7C12N 15/86 7A61K 48/00 7C12N 9/02 7C12N 5/10 7C12N 15/59**  
[25] EN  
[54] **GENE THERAPY TO PROMOTE ANGIOGENESIS**  
[54] **THERAPIE GENIQUE FAVORISANT L'ANGIOGENESE**  
[72] VERLINDEN, STEFAN FREDERIK FRANCISCUS, NL  
[72] VAN ZONNEVELD, ANTON JAN, NL  
[71] CRUCCELL HOLLAND B.V., NL  
[85] 2001-06-29  
[86] 1999-12-27 (PCT/NL99/00807)  
[87] 2000-07-13 (WO00/40740)  
[30] EP (98204482.8) 1998-12-30

[21] **2,358,022**  
[13] A1

[51] **Int.Cl. 7A61K 39/09 7A61K 39/095 7C07K 14/34 7A61K 39/385**  
[25] EN  
[54] **PURIFICATION OF POLYSACCHARIDE-PROTEIN CONJUGATE VACCINES BY ULTRAFILTRATION WITH AMMONIUM SULFATE SOLUTIONS**  
[54] **PURIFICATION DE VACCINS CONJUGUES DE PROTEINE-POLYSACCHARIDE PAR INFILTRATION DE SOLUTIONS DE SULFATE D'AMMONIUM**  
[72] MCMASTER, RONALD P., US  
[71] CONNAUGHT LABORATORIES, US  
[85] 2001-06-29  
[86] 1999-12-16 (PCT/US99/30109)  
[87] 2000-07-06 (WO00/38711)  
[30] US (09/221,728) 1998-12-29

[21] **2,358,024**  
[13] A1

[51] **Int.Cl. 7A47C 23/04 7A47C 27/06**  
[25] FR  
[54] **ELEMENT DE LITERIE A RESSORTS**  
[54] **BEDDING ELEMENT WITH SPRINGS**  
[72] VRAY, MICHEL JEAN-PAUL, FR  
[72] FINOT, LUC GERARD, FR  
[71] SLUMBERLAND FRANCE, FR  
[85] 2001-06-08  
[86] 1999-12-08 (PCT/FR99/03053)  
[87] 2000-06-15 (WO00/33703)  
[30] EP (98403103.9) 1998-12-09

[21] **2,358,033**  
[13] A1

[51] **Int.Cl. 7H02P 1/28 7H02P 1/30 7H02P 7/63**  
[25] EN  
[54] **PRIME MOVER FOR OPERATING AN ELECTRIC MOTOR**  
[54] **MOTEUR PRIMAIRE SERVANT A FAIRE FONCTIONNER UN MOTEUR ELECTRIQUE**  
[72] SCHWARTZ, JERRY H., CA  
[72] SKOWRONSKI, MARK, US  
[71] ALLIEDSIGNAL INC., US  
[85] 2001-06-26  
[86] 1999-12-21 (PCT/US99/30409)  
[87] 2000-07-06 (WO00/39917)  
[30] US (09/221,205) 1998-12-23

## PCT Applications Entering the National Phase

[21] **2,358,040**  
[13] A1

[51] **Int.Cl. 7C12N 15/87 7A61K 48/00 7C07K 14/00 7A61K 38/16**  
[25] EN  
[54] **USE OF THE CELL'S OWN TRANSPORT SYSTEM FOR TRANSFERRING NUCLEIC ACIDS ACROSS THE NUCLEAR MEMBRANE**  
[54] **UTILISATION DE SYSTEMES DE TRANSPORT PROPRES AUX CELLULES POUR TRANSFERER DES ACIDES NUCLEIQUES A TRAVERS L'ENVELOPPE NUCLEAIRE**  
[72] SIEBENKOTTEN, GREGOR, DE  
[72] CHRISTINE, RAINER, DE  
[71] AMAXA GMBH, DE  
[85] 2001-07-05  
[86] 2000-01-03 (PCT/DE00/00061)  
[87] 2000-07-13 (WO00/40742)  
[30] DE (199 00 513.3) 1999-01-08  
[30] DE (199 33 939.2) 1999-07-20

[21] **2,358,047**  
[13] A1

[51] **Int.Cl. 7C07D 401/12 7C07D 209/00 7C07D 221/00 7C07D 239/00 7C07D 307/00 7C07D 521/00 7A61P 7/02 7C07D 471/04 7C07D 487/04 7C07D 491/04 7C07D 403/12 7C07D 409/12 7C07D 413/12 7C07D 417/12 7C07D 401/14 7C07D 403/14 7C07D 409/14 7A61K 31/33 7C07D 209/42**  
[25] EN  
[54] **SUBSTITUTED (AMINOIMINOMETHYL OR AMINOMETHYL)BENZOHETEROARYL COMPOUNDS AS FACTOR XA INHIBITORS**  
[54] **COMPOSES (AMINOIMINOMETHYL OU AMINOMETHYL)BENZOHETEROARYLE SUBSTITUES**  
[72] MCGARRY, DANIEL G., US  
[72] DANKULICH, WILLIAM P., US  
[72] BURNS, CHRISTOPHER, US  
[72] GALLAGHER, TIMOTHY F., US  
[72] VOLZ, FRANCIS A., US  
[71] AVENTIS PHARMACEUTICALS PRODUCTS INC., US  
[85] 2001-06-21  
[86] 1999-12-22 (PCT/US99/30623)  
[87] 2000-07-06 (WO00/39087)  
[30] US (60/113,710) 1998-12-24

[21] **2,358,049**  
[13] A1

[51] **Int.Cl. 7C12Q 1/70 7C12N 15/40 7C12N 15/63**  
[25] EN  
[54] **SILENT INDUCIBLE VIRUS REPLICONS AND USES THEREOF**  
[54] **REPLICONS DE VIRUS INDUCTIBLES ET SILENCIEUX ET UTILISATIONS DE CES REPLICONS**  
[72] OLIVO, PAUL D., US  
[72] SCHLESINGER, SONDRRA, US  
[71] WASHINGTON UNIVERSITY, US  
[85] 2001-07-05  
[86] 2000-01-06 (PCT/US00/00351)  
[87] 2000-07-13 (WO00/40760)  
[30] US (09/227,556) 1999-01-08

[21] **2,358,053**  
[13] A1

[51] **Int.Cl. 7B01D 24/28**  
[25] EN  
[54] **IMPROVED INTEGRATED BLOOD OXYGENATOR AND PUMP SYSTEM**  
[54] **AMELIORATIONS APORTEES A UN SYSTEME INTEGRE D'OXYGENATION ET DE POMPAGE DU SANG**  
[72] AFZAL, THOMAS A., US  
[72] DUERI, JEAN-PIERRE, US  
[72] POTTS, GREG, US  
[72] LEYNOV, ALEX, US  
[72] PIPLANI, ALEC A., US  
[72] MAKAREWICZ, ANTHONY, US  
[71] CARDIOVENTION, INC., US  
[85] 2001-06-29  
[86] 1999-12-30 (PCT/US99/31194)  
[87] 2000-07-06 (WO00/38816)  
[30] US (09/223,676) 1998-12-30  
[30] US (09/223,423) 1998-12-30  
[30] US (09/223,685) 1998-12-30

[21] **2,358,055**  
[13] A1

[51] **Int.Cl. 7E04D 1/26 7D04H 1/00 7D21H 13/00 7D06N 5/00 7E04D 5/10 7E04D 1/22**  
[25] EN  
[54] **ROOFING MATERIAL**  
[54] **MATERIAU DE COUVERTURE**  
[72] BRYSON, MICHAEL L., US  
[72] LAVIETES, DANIEL, US  
[72] KIIK, MATTI, US  
[72] LOCK, TIMOTHY HARVE, US  
[71] ELK CORPORATION OF DALLAS, US  
[85] 2001-07-03  
[86] 2000-01-06 (PCT/US00/00301)  
[87] 2000-07-13 (WO00/40822)  
[30] US (09/227,473) 1999-01-08

[21] **2,358,060**  
[13] A1

[51] **Int.Cl. 6B25B 23/10 6A61B 17/88**  
[25] EN  
[54] **SCREW HOLDER**  
[54] **DISPOSITIF DE RETENUE POUR VIS**  
[72] BUSCHER, PHILIPP, CH  
[72] MARK, ROMANO, CH  
[71] SYNTHES (U.S.A.), US  
[85] 2001-04-04  
[86] 1998-10-05 (PCT/CH98/00425)  
[87] 2000-04-13 (WO00/20174)

[21] **2,358,064**  
[13] A1

[51] **Int.Cl. 7F41B 5/20**  
[25] EN  
[54] **VIBRATION REDUCERS FOR ARCHERY BOWS**  
[54] **AMORTISSEURS DE VIBRATIONS POUR ARCS**  
[72] SIMS, STEVEN C., US  
[71] SIMS, STEVEN C., US  
[85] 2001-07-05  
[86] 2000-01-06 (PCT/US00/00441)  
[87] 2000-07-13 (WO00/40916)  
[30] US (60/115,007) 1999-01-06

[21] **2,358,065**  
[13] A1

[51] **Int.Cl. 7C12Q 1/68 7G01N 33/53 7G01N 33/58 7G01N 33/68**  
[25] EN  
[54] **FLUORESCENT INTENSITY ASSAY FOR PROTEIN OR PEPTIDE BINDING TO NUCLEIC ACIDS**  
[54] **DOSAGE DE L'INTENSITE DE FLUORESCENCE PORTANT SUR LA LIAISON DE PROTEINES OU DE PEPTIDES A DES ACIDES NUCLEIQUES**  
[72] ERIKSON, GLEN H., CA  
[72] DAKSIS, JASMINE I., CA  
[71] INGENEUS CORP., BB  
[85] 2001-06-29  
[86] 1999-12-29 (PCT/IB99/02066)  
[87] 2000-07-13 (WO00/40753)  
[30] US (09/224,505) 1998-12-31

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[21] **2,358,066**  
[13] A1

[51] **Int.Cl. 7B01D 24/28**  
[25] EN  
[54] **INTEGRATED BLOOD PUMP AND OXYGENATOR SYSTEM HAVING EXTENDED BLOOD FLOW PATH**  
[54] **SYSTEME INTEGRE DE POMPE A SANG ET D'OXYGENATEUR AVEC PARCOURS SANGUIN DE LONGUEUR ACCRUE**  
[72] LEYNOV, ALEX, US  
[72] FARHANGNIA, MEHRDAD, US  
[72] POTTS, GREG, US  
[72] SKIELLER, CHRISTIAN, US  
[72] LOEFFLER, JOSEPH, US  
[72] PIPLANI, ALEC A., US  
[71] CARDIOVENTION, INC., US  
[85] 2001-06-29  
[86] 1999-12-30 (PCT/US99/31237)  
[87] 2000-07-06 (WO00/38817)  
[30] US (09/223,676) 1998-12-30  
[30] US (09/430,244) 1999-10-29

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[21] **2,358,068**  
[13] A1

[51] **Int.Cl. 7C21B 7/20**  
[25] EN  
[54] **BELL AND HOPPER FOR SHAFT FURNACES**  
[54] **FERMETURE DE GUEULARD POUR FOURS VERTICAUX**  
[72] RICKE, MARKO, DE  
[72] HILLE, HARTMUT, DE  
[72] OTREMBIA, WERNER, DE  
[72] HEINRICH, PETER, DE  
[71] SMS SCHLOEMANN-SIEMAG AKTIENGESELLSCHAFT, DE  
[85] 2001-06-29  
[86] 1999-12-11 (PCT/EP99/09808)  
[87] 2000-07-13 (WO00/40762)  
[30] DE (198 60 902.7) 1998-12-30  
[30] DE (199 11 637.7) 1999-03-16

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[21] **2,358,069**  
[13] A1

[51] **Int.Cl. 7G01N 15/06 7B01D 3/00 7B01D 11/00 7B01L 3/00 7B01L 11/00 7C12M 1/00 7G01N 21/00 7A01N 1/02 7B01D 35/06 7B01J 19/08 7C12M 1/40 7G01N 33/531 7G01N 33/538 7G01N 33/543 7G01N 33/551 7G01N 33/553 7G01N 21/76 7G01N 21/77**  
[25] EN  
[54] **METHOD AND APPARATUS FOR SEPARATING BIOLOGICAL MATERIALS AND OTHER SUBSTANCES**  
[54] **METHODE ET DISPOSITIF PERMETTANT DE SEPARER DES MATIERES BIOLOGIQUES ET AUTRES SUBSTANCES**  
[72] SCIORRA, LEONARD, US  
[72] ZIMNOCH, JOSEPH, US  
[71] UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY, US  
[85] 2001-07-05  
[86] 2000-01-06 (PCT/US00/00274)  
[87] 2000-07-13 (WO00/40947)  
[30] US (60/114,843) 1999-01-06

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[21] **2,358,070**  
[13] A1

[51] **Int.Cl. 7C22B 21/02 7C22B 9/02 7C22B 21/06 7C22B 5/10**  
[25] EN  
[54] **CARBOTHERMIC ALUMINIUM PRODUCTION USING SCRAP ALUMINIUM AS COOLANT**  
[54] **PRODUCTION D'ALUMINIUM CARBOTHERMIQUE UTILISANT COMME REFRIGERANT UN REBUT D'ALUMINIUM**  
[72] LACAMERA, ALFRED F., US  
[71] ALCOA INC., US  
[85] 2001-07-04  
[86] 2000-01-06 (PCT/US00/00287)  
[87] 2000-07-13 (WO00/40767)  
[30] US (60/115,257) 1999-01-08

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[21] **2,358,071**  
[13] A1

[51] **Int.Cl. 7E21B 43/34 7B01D 45/16**  
[25] EN  
[54] **METHOD FOR REMOVING CONDENSABLES FROM A NATURAL GAS STREAM, AT A WELLHEAD, DOWNSTREAM OF THE WELLHEAD CHOKE**  
[54] **PROCEDE D'EVACUATION DE CONDENSABLES D'UN FLUX DE GAZ NATUREL, AU NIVEAU D'UNE TETE DE Puits, EN AVAL DE LA DUSE DE TETE DE Puits**  
[72] TJEENK WILLINK, CORNELIS ANTONIE, NL  
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL  
[85] 2001-06-28  
[86] 1999-12-29 (PCT/EP99/10498)  
[87] 2000-07-13 (WO00/40834)  
[30] US (09/223,887) 1998-12-31

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[21] **2,358,072**  
[13] A1

[51] **Int.Cl. 7G01C 19/72**  
[25] EN  
[54] **RUGGEDIZED STRUCTURE FOR FIBER OPTIC GYROSCOPE**  
[54] **STRUCTURE RENFORCEE POUR GYROSCOPE A FIBRE OPTIQUE**  
[72] KALISZEK, ANDREW W., US  
[72] SANDERS, GLEN A., US  
[72] LASKOSKIE, CLARENCE E., US  
[71] HONEYWELL INC., US  
[85] 2001-06-29  
[86] 1999-09-10 (PCT/US99/21214)  
[87] 2000-07-13 (WO00/40924)  
[30] US (09/224,612) 1998-12-31

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[21] **2,358,079**  
[13] A1

[51] **Int.Cl. 7D21H 23/50 7B05B 15/04**  
[25] EN  
[54] **APPARATUS AND METHOD FOR PREVENTING THE DIRECTION OF A HARMFUL JET FROM A SPRAYING NOZZLE ON A WEB**  
[54] **APPAREIL ET PROCEDE PERMETTANT D'EMPECHER LA VAPORISATION NOCIVE D'UNE BANDE EN PROVENANCE D'UNE BUSE**  
[72] VAHAKUOPUS, MIKA, FI  
[72] NISSINEN, VILHO, FI  
[71] METSO PAPER, INC., FI  
[85] 2001-06-21  
[86] 1999-12-21 (PCT/FI99/01067)  
[87] 2000-06-29 (WO00/37739)  
[30] FI (982765) 1998-12-21

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[21] **2,358,080**  
[13] A1

[51] **Int.Cl. 7A61M 25/00**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR REMOVING RETAINED FLUIDS AND INFUSING THERAPEUTIC FLUIDS**  
[54] **SYSTEMES ET PROCEDES POUR EXTRAIRE DES FLUIDES RETENUS ET INJECTER DES FLUIDES THERAPEUTIQUES**  
[72] MORAN, JOHN E., US  
[72] WANG, JOHN H., US  
[72] KUIPER, HENDRICK K., US  
[72] FINCH, C. DAVID, US  
[72] BRUGGER, JAMES M., US  
[72] BURBANK, JEFFREY H., US  
[71] VASCA, INC., US  
[85] 2001-06-29  
[86] 2000-02-08 (PCT/US00/03276)  
[87] 2000-02-08 (WO00/47264)  
[30] US (09/248,156) 1999-02-09

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[21] **2,358,090**  
[13] A1

[51] **Int.Cl. 7G01N 27/416 7G01N 33/49 7G01N 33/84**  
[25] EN  
[54] **CORRECTING PROTEIN INDUCED ERROR IN PH-SENSITIVE ISE COMPRISING A POLYMERIC MEMBRANE**  
[54] **CORRECTION DE L'ERREUR DUE AUX PROTEINES DANS LES ELECTRODES A MEMBRANE SELECTIVE SENSIBLES AU PH COMPORTANT UNE MEMBRANE POLYMERE**  
[72] KROUWER, JAN S., US  
[72] BENCO, JOHN S., US  
[71] BAYER CORPORATION, US  
[85] 2001-06-21  
[86] 2000-01-07 (PCT/IB00/00018)  
[87] 2000-07-13 (WO00/40956)  
[30] US (60/115,039) 1999-01-07

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[21] **2,358,092**  
[13] A1

[51] **Int.Cl. 7G01N 27/447**  
[25] FR  
[54] **MILIEU THERMOSENSIBLE POUR LA SEPARATION D'ESPECES AU SEIN D'UN CANAL DE SEPARATION**  
[54] **HEAT-SENSITIVE MEDIUM FOR SEPARATING SPECIES IN A SEPARATOR CHANNEL**  
[72] VIOVY, JEAN-LOUIS, FR  
[72] HOURDET, DOMINIQUE, FR  
[72] SUDOR, JAN, FR  
[71] UNIVERSITE PIERRE ET MARIE CURIE (PARIS VI), FR  
[71] INSTITUT CURIE, FR  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS, FR  
[85] 2001-06-28  
[86] 1999-12-28 (PCT/FR99/03304)  
[87] 2000-07-13 (WO00/40958)  
[30] FR (98/16676) 1998-12-30

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[21] **2,358,086**  
[13] A1

[51] **Int.Cl. 7C07K 1/00 7A01K 67/00 7C07K 14/00 7C07K 17/00 7C12N 5/00 7C12N 5/02 7A01K 67/027 7A01K 67/033 7G01N 33/53 7G01N 33/567 7C12Q 1/68**  
[25] EN  
[54] **PROTEIN-PROTEIN INTERACTIONS IN NEURODEGENERATIVE DISORDERS**  
[54] **INTERACTIONS PROTEINE-PROTEINE DANS LES TROUBLES NEURODEGENERATIFS**  
[72] BARTEL, PAUL L., US  
[72] ROCH, JEAN-MARC, US  
[71] MYRIAD GENETICS, INC., US  
[85] 2001-06-21  
[86] 1999-12-21 (PCT/US99/30396)  
[87] 2000-06-29 (WO00/37483)  
[30] US (60/113,534) 1998-12-22  
[30] US (60/124,120) 1999-03-12  
[30] US (60/141,243) 1999-06-30

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[13] A1

[51] **Int.Cl. 7C07D 295/12 7C07D 401/04 7C07D 401/12 7C07D 401/14 7C07D 409/14 7A61K 31/44 7A61K 31/445**  
[25] EN  
[54] **ANTITHROMBOTIC AMIDES**  
[54] **AMIDES ANTITHROMBOTIQUES**  
[72] SHUMAN, ROBERT THEODORE, US  
[72] SMITH, GERALD FLOYD, US  
[72] TEBBE, ANNE LOUISE, DE  
[72] TINSLEY, JENNIFER MARIE, US  
[72] HALL, STEVEN EDWARD, US  
[72] YEE, YING KWONG, US  
[72] JOSEPH, SAJAN, US  
[72] GOODSON, THEODORE JUNIOR, US  
[72] FRANCISKOVICH, JEFFRY BERNARD, US  
[72] HERRON, DAVID KENT, US  
[72] KLIMKOWSKI, VALENTINE JOSEPH, US  
[72] WIKEL, JAMES HOWARD, US  
[72] WILEY, MICHAEL ROBERT, US  
[72] CRAFT, TRELIA JOYCE, US  
[72] MENDEL, DAVID, US  
[72] MASTERS, JOHN JOSEPH, US  
[72] WEIR, LEONARD CRAYTON, US  
[72] SAWYER, JASON SCOTT, US  
[72] PINEIRO-NUNEZ, MARTA MARIA, US  
[72] MILOT, GUY, US  
[72] KYLE, JEFFREY ALAN, US  
[72] BEIGHT, DOUGLAS WADE, US  
[71] ELI LILLY AND COMPANY, US  
[85] 2001-06-21  
[86] 1999-12-15 (PCT/US99/29832)  
[87] 2000-07-06 (WO00/39111)  
[30] US (60/113,778) 1998-12-23

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[21] **2,358,093**  
[13] A1

[51] **Int.Cl. 7C07K 5/078 7A61P 29/00 7A61K 38/05**  
[25] EN  
[54] **PYROGLUTAMIC ACID DERIVATIVES AND RELATED COMPOUNDS WHICH INHIBIT LEUKOCYTE ADHESION MEDIATED BY VLA-4**  
[54] **DERIVES D'ACIDE PYROGLUTAMIQUE ET COMPOSES ASSOCIES, INHIBITEURS DE L'ADHESION LEUKOCYTAIRE A MEDIATION DE VLA-4**  
[72] STACK, GARY PAUL, US  
[72] THORSETT, EUGENE D., US  
[72] DRESSEN, DARREN B., US  
[72] KREFT, ANTHONY, US  
[72] MANN, CHARLES WILLIAM, US  
[72] PLEISS, MICHAEL A., US  
[72] KUBRAK, DENNIS, US  
[71] AMERICAN HOME PRODUCTS CORPORATION, US  
[71] ELAN PHARMACEUTICALS, INC., US  
[85] 2001-07-04  
[86] 2000-01-21 (PCT/US00/01537)  
[87] 2000-07-27 (WO00/43413)  
[30] US (09/238,661) 1999-01-26

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[13] A1  
[51] **Int.Cl. 7C12N 15/63 7A61K 48/00 7C12N 5/10 7C12N 15/12 7C12N 15/64 7C12N 15/864**  
[25] EN  
[54] **HUMAN FIBROBLAST GROWTH FACTOR RECEPTOR 1 IS A CO-RECEPTOR FOR INFECTION BY ADENO-ASSOCIATED VIRUS 2**  
[54] **RECEPTEUR HUMAIN DU FACTEUR DE CROISSANCE DES FIBROBLASTES UTILISE COMME CO-RECEPTEUR DANS L'INJECTION DU VIRUS 2 ASSOCIE AUX ADENOVIRUS**  
[72] DWARKI, VARAVANI, US  
[72] ZHOU, SHANGZHEN, US  
[72] QING, KEYUN, US  
[72] HANSEN, JONATHAN, US  
[72] MAH, CATHRYN, US  
[72] SRIVASTAVA, ARUN, US  
[71] **ADVANCED RESEARCH AND TECHNOLOGY INSTITUTE, INC., US**  
[85] 2001-06-28  
[86] 1999-12-29 (PCT/US99/31220)  
[87] 2000-07-06 (WO00/39311)  
[30] US (60/114,596) 1998-12-31

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[21] **2,358,095**  
[13] A1  
[51] **Int.Cl. 7C07D 401/14 7A61P 7/02 7C07D 401/12 7C07D 405/14 7C07D 417/14 7A61K 31/4427 7A61K 31/4545 7C07D 213/82**  
[25] EN  
[54] **HETEROROAROMATIC AMIDES AS INHIBITOR OF FACTOR XA**  
[54] **AMIDES HETEROAROMATIQUES COMME INHIBITEURS DU FACTEUR XA**  
[72] WIKEL, JAMES HOWARD, US  
[72] HERRON, DAVID KENT, US  
[72] WEIR, LEONARD CRAYTON, US  
[72] TINSLEY, JENNIFER MARIE, US  
[72] TEBBE, ANNE LOUISE, US  
[72] SMITH, GERALD FLOYD, US  
[72] CRAFT, TRELIA JOYCE, US  
[72] HALL, STEVEN EDWARD, US  
[72] JOSEPH, SAJAN, US  
[72] MASTERS, JOHN JOSEPH, US  
[72] KLIMKOWSKI, VALENTINE JOSEPH, US  
[72] FRANCISKOVICH, JEFFRY BERNARD, US  
[72] MENDEL, DAVID, US  
[72] GOODSON, THEODORE JUNIOR, US  
[72] BEIGHT, DOUGLAS WADE, US  
[72] SHUMAN, ROBERT THEODORE, US  
[72] WILEY, MICHAEL ROBERT, US  
[72] MILOT, GUY, US  
[72] PINEIRO-NUNEZ, MARTA MARIA, US  
[72] YEE, YING KWONG, US  
[72] SAWYER, JASON SCOTT, US  
[71] **ELI LILLY AND COMPANY, US**  
[85] 2001-06-21  
[86] 1999-12-15 (PCT/US99/29887)  
[87] 2000-07-06 (WO00/39117)  
[30] US (60/113,452) 1998-12-23

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[13] A1  
[51] **Int.Cl. 7G06F 9/45**  
[25] EN  
[54] **METHOD AND APPARATUS FOR EXECUTING PL/SQL STORED CODE OBJECTS IN A DATABASE**  
[54] **PROCEDE ET SYSTEME D'EXECUTION D'OBJETS DE CODE PL/SQL STOCKES DANS UNE BASE DE DONNEES**  
[72] VINCENT, JOHN K., US  
[71] **COMPUTER ASSOCIATES THINK, INC., US**  
[85] 2001-06-21  
[86] 1999-12-15 (PCT/US99/29921)  
[87] 2000-06-29 (WO00/38055)  
[30] US (09/219,253) 1998-12-22

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[21] **2,358,097**  
[13] A1  
[51] **Int.Cl. 7C23C 18/16 7F28F 19/06 7C23C 18/36**  
[25] EN  
[54] **HEAT EXCHANGER WITH A REDUCED TENDENCY TO PRODUCE DEPOSITS AND METHOD FOR PRODUCING SAME**  
[54] **ECHANGEUR DE CHALEUR PRESENTANT UNE TENDANCE REDUITE A FORMER DES DEPOTS, ET SON PROCEDE DE PRODUCTION**  
[72] SCHOLL, STEPHAN, DE  
[72] DIEBOLD, BERND, DE  
[72] MUELLER-STEINHAGEN, HANS, GB  
[72] HUFFER, STEPHAN, DE  
[72] FRANKE, AXEL, DE  
[72] DILLMANN, PETER, DE  
[72] ZHAO, QI, GB  
[71] **BASF AKTIENGESELLSCHAFT, DE**  
[85] 2001-06-29  
[86] 1999-12-24 (PCT/EP99/10368)  
[87] 2000-07-13 (WO00/40773)  
[30] DE (198 60 526.9) 1998-12-30

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[21] **2,358,098**  
[13] A1  
[51] **Int.Cl. 7H04Q 11/04**  
[25] EN  
[54] **SYSTEM AND METHOD FOR CONNECTING CALLS WITH A TIME DIVISION MULTIPLEX MATRIX**  
[54] **SYSTEME ET PROCEDE POUR CONNECTER DES APPELS AU MOYEN D'UNE MATRICE DE MULTIPLEXAGE PAR REPARTITION DANS LE TEMPS**  
[72] MEDHAT, KHALID MOHAMED, US  
[71] **SPRINT COMMUNICATIONS COMPANY, L.P., US**  
[85] 2001-06-21  
[86] 1999-12-17 (PCT/US99/30223)  
[87] 2000-06-29 (WO00/38473)  
[30] US (09/218,820) 1998-12-22

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[21] **2,358,099**  
[13] A1

[51] **Int.Cl. 7C23C 18/16 7C23C 18/36 7C23C 18/40**  
[25] EN  
[54] **METHOD FOR COATING REACTORS FOR HIGH PRESSURE POLYMERISATION OF 1-OLEFINS**  
[54] **PROCEDE POUR APPLIQUER UN REVETEMENT SUR DES REACTEURS DESTINES A LA POLYMERISATION HAUTE PRESSION DE 1-OLEFINES**  
[72] STURM, JURGEN, DE  
[72] LERCH, GOTZ, DE  
[72] HUFFER, STEPHAN, DE  
[72] LITTMANN, DIETER, DE  
[72] DECKERS, ANDREAS, DE  
[72] WEBER, WILHELM, DE  
[72] KLIMESCH, ROGER, DE  
[71] BASF AKTIENGESELLSCHAFT, DE  
[85] 2001-06-29  
[86] 1999-12-24 (PCT/EP99/10372)  
[87] 2000-07-13 (WO00/40775)  
[30] DE (198 60 526.9) 1998-12-30

[21] **2,358,101**  
[13] A1

[51] **Int.Cl. 7C22B 21/06**  
[25] FR  
[54] **PROCEDE ET DISPOSITIF DE PURIFICATION DE L'ALUMINIUM PAR SEGREGATION**  
[54] **METHOD AND DEVICE FOR PURIFYING ALUMINIUM BY SEGREGATION**  
[72] LEROY, MICHEL, FR  
[71] ALUMINIUM PECHINEY, FR  
[85] 2001-07-04  
[86] 2000-01-05 (PCT/FR00/00010)  
[87] 2000-07-13 (WO00/40768)  
[30] FR (99/00247) 1999-01-08

[21] **2,358,102**  
[13] A1

[51] **Int.Cl. 7G01N 33/569**  
[25] FR  
[54] **DETECTION ET SUIVI DES INFECTIONS VIRALES A VIH**  
[54] **DETECTING AND MONITORING HIV VIRAL INFECTIONS**  
[72] AURIAULT, CLAUDE, FR  
[72] GRAS-MASSE, HELENE, FR  
[72] TRANC-HAND-BUNEL, DENIS, FR  
[71] GRAS-MASSE, HELENE, FR  
[71] INSTITUT PASTEUR DE LILLE, FR  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR  
[85] 2001-06-26  
[86] 1999-12-29 (PCT/FR99/03311)  
[87] 2000-07-13 (WO00/40970)  
[30] FR (98/16727) 1998-12-31

[21] **2,358,103**  
[13] A1

[51] **Int.Cl. 7C25C 3/08**  
[25] EN  
[54] **ELECTROLYTIC CELL WITH IMPROVED ALUMINA SUPPLY**  
[54] **CELLULE D'ELECTROLYSE A ALIMENTATION EN ALUMINE AMELIOREE**  
[72] DE NORA, VITTORIO, BS  
[71] MOLTECH INVENT S.A., LU  
[85] 2001-07-05  
[86] 2000-01-10 (PCT/IB00/00029)  
[87] 2000-07-13 (WO00/40781)  
[30] IB (PCT/IB99/00017) 1999-01-08

[21] **2,358,104**  
[13] A1

[51] **Int.Cl. 6F21V 5/00 6F21V 7/04 6G02F 1/1335 6G01D 11/28**  
[25] EN  
[54] **A BACKLIGHT FOR CORRECTING DIAGONAL LINE DISTORTION**  
[54] **ECLAIRAGE PAR L'ARRIERE CORRIGEANT LA DISTORSION DES DIAGONALES**  
[72] LAINE, JEFFREY A., US  
[71] PHYSICAL OPTICS CORPORATION, US  
[85] 2001-06-26  
[86] 1999-12-28 (PCT/US99/31116)  
[87] 2000-07-06 (WO00/39500)  
[30] US (09/223,987) 1998-12-31

[21] **2,358,105**  
[13] A1

[51] **Int.Cl. 7C25D 5/28 7C25D 7/00 7A61F 2/00 7C25D 5/38**  
[25] EN  
[54] **METHODS FOR COATING METALLIC ARTICLES**  
[54] **PROCEDES DE REVETEMENT D'ARTICLES METALLIQUES**  
[72] VANCAMP, DANIEL, US  
[72] CHANDRASEKARAN, V. CHANDRU, US  
[72] TASKOVICS, STEVEN, US  
[72] DICARLO, PAUL, US  
[72] FLIGHT, BRUCE W., US  
[71] BOSTON SCIENTIFIC LIMITED, BB  
[85] 2001-07-06  
[86] 2000-01-03 (PCT/US00/00023)  
[87] 2000-07-13 (WO00/40784)  
[30] US (09/227,407) 1999-01-08

[21] **2,358,107**  
[13] A1

[51] **Int.Cl. 7A61K 38/26 7A61K 47/10 7A61P 3/10 7A61K 47/26 7A61K 38/28**  
[25] EN  
[54] **SHELF-STABLE FORMULATION OF GLUCAGON-LIKE PEPTIDE-1**  
[54] **FORMULATION DE LONGUE CONSERVATION DE PEPTIDE-1 DE TYPE GLUCAGON**  
[72] BRADER, MARK LAURENCE, US  
[72] PEKAR, ALLEN HOWARD, US  
[71] ELI LILLY AND COMPANY, US  
[85] 2001-06-21  
[86] 1999-12-21 (PCT/US99/30395)  
[87] 2000-06-29 (WO00/37098)  
[30] US (60/113,499) 1998-12-22

[21] **2,358,108**  
[13] A1

[51] **Int.Cl. 7G06F 15/173**  
[25] EN  
[54] **CLIENT-SERVER DYNAMIC FILE ACCESS SYSTEM AND METHOD**  
[54] **SYSTEME ET PROCEDE D'ACCES FICHER DYNAMIQUE CLIENT-SERVEUR**  
[72] MATSON, KENNETH D., US  
[72] MCDEVITT, CHRISTOPHER J., US  
[71] COMPUTER ASSOCIATES THINK, INC., US  
[85] 2001-06-29  
[86] 1999-12-29 (PCT/US99/31181)  
[87] 2000-07-06 (WO00/39698)  
[30] US (09/224,622) 1998-12-31

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[21] **2,358,109**  
[13] A1  
[51] **Int.Cl. 7D21F 1/44 7D21H 21/42**  
[25] EN  
[54] **IMPROVEMENTS IN MAKING PAPER**  
[54] **AMELIORATIONS APPORTEES A LA FABRICATION DE PAPIER**  
[72] RIDYARD, STEPHEN DAVID, GB  
[72] ISHERWOOD, ROLAND, GB  
[71] DE LA RUE INTERNATIONAL LIMITED, GB  
[85] 2001-06-28  
[86] 1999-12-16 (PCT/GB99/04257)  
[87] 2000-07-06 (WO00/39391)  
[30] GB (9828770.9) 1998-12-29

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[21] **2,358,110**  
[13] A1  
[51] **Int.Cl. 7G06F 9/44**  
[25] EN  
[54] **METHOD AND APPARATUS FOR A USER EXTENSIBLE EVENT STRUCTURE**  
[54] **PROCEDE ET DISPOSITIF RELATIFS A UNE STRUCTURE D'EVENEMENT POUVANT ETRE ETENDUE PAR UN UTILISATEUR**  
[72] MATSON, KENNETH D., US  
[72] ASBELL, DAVID, US  
[72] POHLMANN, WILLIAM N., US  
[71] COMPUTER ASSOCIATES THINK, INC., US  
[85] 2001-06-29  
[86] 1999-12-29 (PCT/US99/31180)  
[87] 2000-07-06 (WO00/39675)  
[30] US (09/224,808) 1998-12-31

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[21] **2,358,112**  
[13] A1  
[51] **Int.Cl. 7F01P 11/08**  
[25] EN  
[54] **IMPROVED COOLING SYSTEM FOR AN OFF-HIGHWAY VEHICLE**  
[54] **SYSTEME DE REFROIDISSEMENT AMELIORE POUR VEHICULE DE CHANTIER**  
[72] CORWIN, RUSSELL V., US  
[72] WAGNER, EDWARD L., US  
[71] CASE CORPORATION, US  
[85] 2001-07-03  
[86] 1999-12-27 (PCT/US99/30991)  
[87] 2000-07-06 (WO00/39438)  
[30] US (09/223,705) 1998-12-30

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[21] **2,358,115**  
[13] A1  
[51] **Int.Cl. 7F15B 15/10**  
[25] EN  
[54] **ELECTROSTATIC/PNEUMATIC ACTUATORS FOR ACTIVE SURFACES**  
[54] **DISPOSITIFS D'ACTIONNEMENT ELECTROSTATIQUE/PNEUMATIQUE POUR SURFACES ACTIVES**  
[72] CABUZ, CLEOPATRA, US  
[72] ELGERSMA, MICHAEL R., US  
[72] OHNSTEIN, THOMAS R., US  
[71] HONEYWELL INC., US  
[85] 2001-06-29  
[86] 1999-09-10 (PCT/US99/21212)  
[87] 2000-07-06 (WO00/39467)  
[30] US (09/223,083) 1998-12-29

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[21] **2,358,116**  
[13] A1  
[51] **Int.Cl. 7C07C 227/32 7C07C 227/24 7C07D 233/84**  
[25] FR  
[54] **NOUVEAU PROCEDE DE PREPARATION D'AMINOACIDES CHIRAUX**  
[54] **NOVEL METHOD FOR PREPARING CHIRAL AMINO ACIDS**  
[72] PELTA, ISABELLE, FR  
[71] AVENTIS CROPS SCIENCE S.A., FR  
[85] 2001-07-05  
[86] 2000-01-07 (PCT/FR00/00020)  
[87] 2000-07-13 (WO00/40545)  
[30] FR (99/00202) 1999-01-07

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[21] **2,358,117**  
[13] A1  
[51] **Int.Cl. 7F16B 12/00**  
[25] EN  
[54] **METHOD AND CONSTRUCTION FOR CONNECTING TOGETHER METAL AND PLASTIC ELEMENTS**  
[54] **PROCEDE ET CONSTRUCTION PERMETTANT D'ASSEMBLER DES ELEMENTS EN METAL ET EN MATIERE PLASTIQUE**  
[72] BOZAK, JOHN A., US  
[72] FUDGE, CHESTER M., US  
[72] HAM, SOOHYUN, US  
[72] TIRAMANI, PAOLO M. B., US  
[71] 500 GROUP, INC., US  
[85] 2001-06-29  
[86] 1999-12-28 (PCT/US99/30984)  
[87] 2000-07-06 (WO00/39471)  
[30] US (09/224,103) 1998-12-31

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[21] **2,358,118**  
[13] A1  
[51] **Int.Cl. 6C07C 231/24 6A61K 7/00 6A61K 7/075 6C11D 1/10 6C07C 233/47 6C07C 233/49 6A61K 7/50**  
[25] EN  
[54] **PROCESS FOR PRODUCING ACIDIC N-(LONG-CHAIN ACYL)AMINO ACID**  
[54] **PROCESSUS DE PRODUCTION D'ACIDE AMINE ACIDE N-(CHAINE ACYLE LONGUE)**  
[72] TAMURA, YOSHINAGA, JP  
[72] YAMAMOTO, SHINICHI, JP  
[72] YAMAWAKI, YUKIO, JP  
[71] ASAHI KASEI KABUSHIKI KAISHA, JP  
[85] 2001-06-22  
[86] 1999-02-18 (PCT/JP99/00730)  
[87] 2000-07-13 (WO00/40546)  
[30] JP (10/374039) 1998-12-28

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[21] **2,358,119**  
[13] A1  
[51] **Int.Cl. 7C07D 487/22 7A61K 31/4188**  
[25] EN  
[54] **COMPOSITIONS AND METHODS RELATING TO CYCLIC COMPOUNDS THAT UNDERGO NUCLEOTIDE BASE PAIR-SPECIFIC INTERACTIONS WITH DOUBLE-STRANDED NUCLEIC ACIDS**  
[54] **COMPOSITIONS ET METHODES CONCERNANT DES COMPOSES CYCLIQUES SUBISSANT DES INTERACTIONS SPECIFIQUES DE PAIRES DE BASES NUCLEOTIDIQUES AVEC DES ACIDES NUCLEIQUES BICATENAIRE**  
[72] BAIRD, ELDON E., US  
[72] DERVAN, PETER B., US  
[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US  
[85] 2001-07-06  
[86] 2000-01-06 (PCT/US00/00298)  
[87] 2000-07-13 (WO00/40605)  
[30] US (60/115,232) 1999-01-08



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[21] **2,358,121**  
[13] A1

[51] **Int.Cl. 7G01C 19/72 7G02B 6/44**  
[25] EN  
[54] **SENSING COIL FOR A FIBER OPTIC GYROSCOPE**  
[54] **BOBINE DE DETECTION POUR GYROSCOPE A FIBRES OPTIQUES**  
[72] KALISZEK, ANDREW W., US  
[72] SCHULZETENBERG, WILLIAM R., US  
[72] SHANNON, JOHN H., US  
[71] HONEYWELL INC., US  
[85] 2001-06-29  
[86] 1999-11-10 (PCT/US99/26500)  
[87] 2000-07-06 (WO00/39527)  
[30] US (09/222,606) 1998-12-29

[21] **2,358,122**  
[13] A1

[51] **Int.Cl. 7G01C 19/72 7G02B 6/44**  
[25] EN  
[54] **ENVIRONMENTALLY ROBUST DEPOLARIZER FOR A FIBER OPTIC GYROSCOPE**  
[54] **DEPOLARISEUR A FIBRES OPTIQUES, RESISTANT AUX VARIATIONS ECOLOGIQUES, POUR GYROSCOPE A FIBRES OPTIQUES**  
[72] LANGE, CHARLES H., US  
[72] SUMMERS, EDWARD, US  
[72] SZAFRANIEC, BOGDAN, US  
[72] KALISZEK, ANDREW W., US  
[71] HONEYWELL INC., US  
[85] 2001-06-29  
[86] 1999-12-02 (PCT/US99/28572)  
[87] 2000-07-06 (WO00/39528)  
[30] US (09/222,466) 1998-12-29

[21] **2,358,123**  
[13] A1

[51] **Int.Cl. 7G02B 6/00 7H04B 10/12**  
[25] EN  
[54] **OPTICAL COMMUNICATION APPARATUS**  
[54] **APPAREIL DE COMMUNICATION OPTIQUE**  
[72] YOSHIMURA, TOMONARI, JP  
[72] SAITO, NORITAKA, JP  
[72] OKITA, AKIMITSU, JP  
[71] MITSUBISHI RAYON CO., LTD., JP  
[85] 2001-06-22  
[86] 1999-12-21 (PCT/JP99/07177)  
[87] 2000-07-06 (WO00/39614)  
[30] JP (10/367308) 1998-12-24  
[30] JP (11/197851) 1999-07-12

[21] **2,358,126**  
[13] A1

[51] **Int.Cl. 7G06F 17/30**  
[25] EN  
[54] **SYSTEM AND METHOD FOR RECURSIVE PATH ANALYSIS OF DBMS PROCEDURES**  
[54] **SYSTEME ET PROCEDE D'ANALYSE RECURSIVE DE PROCEDURES DE SYSTEMES DE GESTION DE BASE DE DONNEES (SGBD)**  
[72] CHERNY, IGOR, US  
[72] VINCENT, JOHN K., US  
[71] COMPUTER ASSOCIATES THINK, INC., US  
[85] 2001-07-05  
[86] 2000-01-06 (PCT/US00/00276)  
[87] 2000-07-13 (WO00/41100)  
[30] US (09/226,939) 1999-01-08

[21] **2,358,133**  
[13] A1

[51] **Int.Cl. 7G06F 17/60**  
[25] EN  
[54] **ENVIRONMENTAL IMPACT AND BUSINESS ANALYSIS METHOD USING A STRATEGIC INFORMATION SYSTEM**  
[54] **PROCEDE D'ANALYSE D'ACTIVITES COMMERCIALES ET DE L'IMPACT ENVIRONNEMENTAL AU MOYEN D'UN SYSTEME D'INFORMATIONS STRATEGIQUE**  
[72] GLASS, DAVID SAUL, JP  
[71] GLASS, DAVID SAUL, JP  
[85] 2001-07-03  
[86] 1999-12-30 (PCT/US99/31270)  
[87] 2000-07-13 (WO00/41114)  
[30] US (60/114,618) 1999-01-04

[21] **2,358,140**  
[13] A1

[51] **Int.Cl. 7G08B 1/00 7H01H 67/00 7G08B 5/22**  
[25] EN  
[54] **TELECOMMUNICATION SYSTEM FOR REMOTELY CONTROLLING ELECTRONIC DEVICES**  
[54] **SYSTEME DE TELECOMMUNICATION DESTINE A DES DISPOSITIFS ELECTRONIQUES DE COMMANDE A DISTANCE**  
[72] PORTILLA, GUSTAVO, CO  
[71] PORTILLA, GUSTAVO, CO  
[85] 2001-07-06  
[86] 2000-01-07 (PCT/US00/00550)  
[87] 2000-07-13 (WO00/41146)  
[30] US (09/227,625) 1999-01-08

[21] **2,358,162**  
[13] A1

[51] **Int.Cl. 7G06F 9/44**  
[25] EN  
[54] **METHOD AND APPARATUS FOR THE DYNAMIC FILTERING AND ROUTING OF EVENTS**  
[54] **PROCEDE ET APPAREIL DE FILTRAGE ET D'ACHEMINEMENT DYNAMIQUE D'EVENEMENTS**  
[72] CANTRELL, PAUL, US  
[72] MATSON, KENNETH D., US  
[72] POHLMANN, WILLIAM N., US  
[71] COMPUTER ASSOCIATES THINK, INC., US  
[85] 2001-06-29  
[86] 1999-12-29 (PCT/US99/31113)  
[87] 2000-07-06 (WO00/39673)  
[30] US (09/224,482) 1998-12-31

[21] **2,358,163**  
[13] A1

[51] **Int.Cl. 7G08B 13/14 7H01H 47/00 7H01Q 11/12 7G08B 13/24**  
[25] EN  
[54] **COIL ARRAY FOR EAS MARKER DEACTIVATION DEVICE**  
[54] **RESEAU DE BOBINES POUR DISPOSITIF DE DESACTIVATION DE SYSTEME D'ANTIVOL ELECTRONIQUE**  
[72] COPELAND, RICHARD L., US  
[72] MAITIN, STEVEN R., US  
[71] SENSORMATIC ELECTRONICS CORPORATION, US  
[85] 2001-07-04  
[86] 2000-01-07 (PCT/US00/00355)  
[87] 2000-07-13 (WO00/41149)  
[30] US (09/226,301) 1999-01-07

[21] **2,358,167**  
[13] A1

[51] **Int.Cl. 7G08B 13/14**  
[25] EN  
[54] **COIL DRIVING CIRCUIT FOR EAS MARKER DEACTIVATION DEVICE**  
[54] **CIRCUIT D'ALIMENTATION DE BOBINE POUR DISPOSITIF DE DESACTIVATION DE SYSTEME ELECTRONIQUE DE SURVEILLANCE D'ARTICLE**  
[72] EASTER, RONALD B., US  
[72] MAITIN, STEVEN R., US  
[71] SENSORMATIC ELECTRONICS CORPORATION, US  
[85] 2001-07-04  
[86] 2000-01-07 (PCT/US00/00357)  
[87] 2000-07-13 (WO00/41150)  
[30] US (09/226,868) 1999-01-07

## Demandes PCT entrant en phase nationale

<p style="text-align: right;">[21] <b>2,358,182</b> [13] A1</p> <p>[51] <b>Int.Cl. 7G08G 5/04</b> [25] EN [54] <b>TCAS DISPLAY AND SYSTEM FOR INTRA-FORMATION CONTROL WITH VERTICAL SPEED INDICATOR</b> [54] <b>AFFICHEUR POUR SYSTEME TCAS ET SYSTEME DE COMMANDE INTRA-FORMATION A INDICATEUR DE VITESSE VERTICALE</b> [72] JONGSMA, KENNETH R., US [72] STURDY, JAMES T., US [72] FRAZIER, JAMES A., JR., US [71] HONEYWELL INC., US [85] 2001-06-29 [86] 1999-12-20 (PCT/US99/30459) [87] 2000-07-13 (WO00/41154) [30] US (09/223,339) 1998-12-30</p>	<p style="text-align: right;">[21] <b>2,358,190</b> [13] A1</p> <p>[51] <b>Int.Cl. 7A61M 5/50</b> [25] EN [54] <b>SINGLE USE SYRINGE WITH BREAKAWAY PLUNGER</b> [54] <b>SERINGUE A USAGE UNIQUE AVEC PISTON FRANGIBLE</b> [72] FILIPPI, FILIPPO, HU [72] MIKLOS, KODOBOR, HU [71] SAFEGARD MEDICAL LIMITED, MC [85] 2001-06-28 [86] 1999-12-29 (PCT/IB99/02057) [87] 2000-07-06 (WO00/38769) [30] US (60/114,100) 1998-12-29</p>	<p style="text-align: right;">[21] <b>2,358,194</b> [13] A1</p> <p>[51] <b>Int.Cl. 7H04L 12/66 7H04Q 7/22 7H04L 12/56</b> [25] EN [54] <b>TRANSPORTING QOS MAPPING INFORMATION IN A PACKET RADIO NETWORK</b> [54] <b>TRANSPORT D'INFORMATIONS DE MAPPAGE DE QUALITE DE SERVICE DANS UN RESEAU DE RADIOCOMMUNICATION A COMMUTATION PAR PAQUET</b> [72] SUUMAKI, JAN, FI [72] TURUNEN, MATTI, FI [72] HURTTA, TUIJA, FI [72] MAKELA, TERO, FI [72] KALLIOKULJU, JUHA, FI [72] PUUSKARI, MIKKO, FI [71] NOKIA NETWORKS OY, FI [85] 2001-07-05 [86] 2000-01-04 (PCT/FI00/00003) [87] 2000-07-13 (WO00/41401) [30] FI (990009) 1999-01-05 [30] FI (990253) 1999-02-09 [30] FI (991177) 1999-05-24</p>
<p style="text-align: right;">[21] <b>2,358,185</b> [13] A1</p> <p>[51] <b>Int.Cl. 7H04B 10/00</b> [25] EN [54] <b>POLARIZATION MODE DISPERSION COMPENSATION VIA AN AUTOMATIC TRACKING OF A PRINCIPAL STATE OF POLARIZATION</b> [54] <b>COMPENSATION DE DISPERSION DE POLARISATION DE MODE PAR LA POURSUITE AUTOMATIQUE D'UN ETAT PRINCIPAL DE POLARISATION</b> [72] CAO, XIANG-DONG, US [71] QTERA CORPORATION, US [85] 2001-07-06 [86] 1999-12-22 (PCT/US99/30616) [87] 2000-07-13 (WO00/41344) [30] US (09/226,835) 1999-01-07</p>	<p style="text-align: right;">[21] <b>2,358,191</b> [13] A1</p> <p>[51] <b>Int.Cl. 7G08G 5/02 7G08G 5/04 7G01S 5/14</b> [25] EN [54] <b>AIRBORNE ALERTING SYSTEM</b> [54] <b>SYSTEME D'ALARME DE BORD</b> [72] CORWIN, WILLIAM R., US [72] HAISSIG, CHRISTINE M., US [72] WEISER, JAROLD, US [72] JACKSON, MICHAEL R., US [72] SAMANANT, PAUL P., US [72] SNYDER, SCOTT L., US [71] HONEYWELL INC., US [85] 2001-06-29 [86] 1999-11-16 (PCT/US99/27203) [87] 2000-07-13 (WO00/41153) [30] US (09/224,177) 1998-12-31</p>	<p style="text-align: right;">[21] <b>2,358,196</b> [13] A1</p> <p>[51] <b>Int.Cl. 7H04N 5/12 7G09G 5/12</b> [25] EN [54] <b>AUTOMATIC SYNC SELECTOR WITH PROGRAMMABLE PRIORITY</b> [54] <b>SYNCHROSELECTEUR AUTOMATIQUE A PRIORITE PROGRAMMABLE</b> [72] CONOVER, KURT M., US [71] HONEYWELL INC., US [85] 2001-06-29 [86] 1999-12-14 (PCT/US99/29519) [87] 2000-07-13 (WO00/41388) [30] US (09/223,340) 1998-12-30</p>
<p style="text-align: right;">[21] <b>2,358,189</b> [13] A1</p> <p>[51] <b>Int.Cl. 7G06F 15/00 7G06F 15/16</b> [25] EN [54] <b>METHOD AND SYSTEM FOR CONDUCTING A PLURALITY OF CYBER-BASED CONVENTIONS</b> [54] <b>PROCEDE ET SYSTEME DE GESTION DE PLUSIEURS CYBER-CONGRES</b> [72] PAUL D. FRANKE, US [71] PAUL D. FRANKE, US [85] 2001-06-28 [86] 1999-12-30 (PCT/US99/31285) [87] 2000-07-06 (WO00/39694) [30] US (60/114,128) 1998-12-30 [30] US (60/114,396) 1998-12-31</p>	<p style="text-align: right;">[21] <b>2,358,199</b> [13] A1</p> <p>[51] <b>Int.Cl. 7H04R 29/00 7H04R 25/00</b> [25] EN [54] <b>METHOD FOR THE BINAURAL ADJUSTMENT OF HEARING AIDS</b> [54] <b>PROCEDE D'ADAPTATION BIAURICULAIRE D'APPAREILS AUDITIFS</b> [72] GREMINGER, MICHAEL, CH [71] PHONAK AG, CH [85] 2001-06-29 [86] 1999-12-28 (PCT/CH99/00631) [87] 2000-07-13 (WO00/41442) [30] EP (99100056.3) 1999-01-05</p>	

## PCT Applications Entering the National Phase

<p style="text-align: right;">[21] <b>2,358,200</b> [13] A1</p> <p>[51] <b>Int.Cl. 7G11C 11/18</b> [25] EN [54] <b>VERTICALLY INTEGRATED MAGNETIC MEMORY</b> [54] <b>MEMOIRE MAGNETIQUE A INTEGRATION VERTICALE</b> [72] BERNDT, DALE F., US [72] DETRY, JAMES F., US [72] PECZALSKI, ANDRZEJ, US [71] HONEYWELL INC., US [85] 2001-06-29 [86] 1999-12-14 (PCT/US99/29518) [87] 2000-07-13 (WO00/41180) [30] US (09/224,368) 1998-12-31</p>	<p style="text-align: right;">[21] <b>2,358,208</b> [13] A1</p> <p>[51] <b>Int.Cl. 7A01K 45/00</b> [25] EN [54] <b>CONCURRENT IN OVO INJECTION AND DETECTION METHOD AND APPARATUS</b> [54] <b>PROCEDE ET DISPOSITIF D'INJECTION ET DE DETECTION SIMULTANEEES IN OVO</b> [72] HEBRANK, JOHN H., US [71] EMBREX, INC., US [85] 2001-07-04 [86] 1999-12-23 (PCT/US99/30862) [87] 2000-07-13 (WO00/40079) [30] US (60/114,933) 1999-01-06</p>	<p style="text-align: right;">[21] <b>2,358,215</b> [13] A1</p> <p>[51] <b>Int.Cl. 7H01J 49/00</b> [25] EN [54] <b>METHODS UTILIZING SCANNING PROBE MICROSCOPE TIPS AND PRODUCTS THEREFOR OR PRODUCED THEREBY</b> [54] <b>PROCEDE UTILISANT DES POINTES DE MICROSCOPE-SONDE A BALAYAGE ET PRODUITS CONVENANT A CE PROCEDE OU ISSUS DE CE PROCEDE</b> [72] MIRKIN, CHAD A., US [72] HONG, SEUNGUM, US [72] PINER, RICHARD, US [71] NORTHWESTERN UNIVERSITY, US [85] 2001-07-05 [86] 2000-01-07 (PCT/US00/00319) [87] 2000-07-13 (WO00/41213) [30] US (60/115,133) 1999-01-07 [30] US (60/157,633) 1999-10-04</p>
<p style="text-align: right;">[21] <b>2,358,203</b> [13] A1</p> <p>[51] <b>Int.Cl. 7G10L 21/02</b> [25] EN [54] <b>METHOD AND APPARATUS FOR ADAPTIVELY SUPPRESSING NOISE</b> [54] <b>PROCEDE ET APPAREIL DE SUPPRESSION DU BRUIT DE MANIERE ADAPTATIVE</b> [72] MARCHOK, DANIEL J., US [72] CHANDRAN, RAVI, US [72] DUNNE, BRUCE E., US [71] TELLABS OPERATIONS, INC., US [85] 2001-07-04 [86] 2000-01-07 (PCT/US00/00397) [87] 2000-07-13 (WO00/41169) [30] US (60/115,245) 1999-01-07</p>	<p style="text-align: right;">[21] <b>2,358,212</b> [13] A1</p> <p>[51] <b>Int.Cl. 7A01N 43/16 7A61K 31/35</b> [25] EN [54] <b>FORMULATIONS FOR TREATING DISEASE AND METHODS OF USING SAME</b> [54] <b>PREPARATIONS DESTINEES AU TRAITEMENT DE MALADIES ET PROCEDES S'Y RAPPORTANT</b> [72] KAESEMEYER, WAYNE E., US [71] NITROSYSTEMS, INC., US [85] 2001-07-06 [86] 2000-01-07 (PCT/US00/00399) [87] 2000-07-13 (WO00/40086) [30] US (09/226,580) 1999-01-07</p>	<p style="text-align: right;">[21] <b>2,358,220</b> [13] A1</p> <p>[51] <b>Int.Cl. 7G02B 13/06 7G02B 17/06</b> [25] EN [54] <b>PANORAMIC IMAGING APPARATUS</b> [54] <b>DISPOSITIF D'IMAGERIE PANORAMIQUE</b> [72] TRUBKO, SERGEY, US [72] KOREIN, JAMES, US [72] NAYAR, SHREE, US [72] PERI, VENKATA, US [71] CYCLOVISION TECHNOLOGIES, INC., US [85] 2001-07-04 [86] 2000-01-04 (PCT/US00/00050) [87] 2000-07-13 (WO00/41024) [30] US (60/114,702) 1999-01-04</p>
<p style="text-align: right;">[21] <b>2,358,205</b> [13] A1</p> <p>[51] <b>Int.Cl. 7G01R 33/09</b> [25] EN [54] <b>UTILIZATION OF A MAGNETO-RESISTIVE MATERIAL</b> [54] <b>UTILISATION D'UN MATERIAU MAGNETO-RESISTIF</b> [72] WAPPLING, ROGER, SE [71] FORSKARPATENT I UPPSALA AB, SE [85] 2001-07-05 [86] 1999-12-09 (PCT/SE99/02303) [87] 2000-07-13 (WO00/40987) [30] SE (9900015-0) 1999-01-07</p>	<p style="text-align: right;">[21] <b>2,358,214</b> [13] A1</p> <p>[51] <b>Int.Cl. 7B63H 1/32</b> [25] EN [54] <b>METHOD AND DEVICE FOR PROPULSION OF VESSELS</b> [54] <b>PROCEDE ET DISPOSITIF PERMETTANT LA PROPULSION DE NAVIRES</b> [72] SAGOV, MAGOMET S., NO [71] CLAVIS BIOPROPULSION AS, NO [85] 2001-06-29 [86] 1999-12-29 (PCT/NO99/00406) [87] 2000-07-06 (WO00/38979) [30] NO (19986181) 1998-12-29</p>	<p style="text-align: right;">[21] <b>2,358,231</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B67D 5/52</b> [25] EN [54] <b>APPARATUS FOR DISPENSING LIQUIDS AND SOLIDS</b> [54] <b>DISPOSITIF DE DISTRIBUTION DE LIQUIDES ET DE SOLIDES</b> [72] CLINE, DAVID J., US [72] CLARK, TIMOTHY S., US [72] GORDON, STEPHEN P., US [72] ENGLE, MICHAEL R., US [71] FLUID RESEARCH CORPORATION, US [85] 2001-07-03 [86] 1999-12-16 (PCT/US99/29811) [87] 2000-07-06 (WO00/39022) [30] US (09/220,826) 1998-12-24</p>

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[21] **2,358,233**  
[13] A1

[51] **Int.Cl. 7G01N 25/48**  
[25] EN  
[54] **DIFFERENTIAL THERMAL ANALYSIS SENSOR**  
[54] **CAPTEUR POUR ANALYSE THERMIQUE DIFFERENTIELLE**  
[72] HIGASHI, ROBERT E., US  
[72] COLE, BARRETT E., US  
[71] HONEYWELL INC., US  
[85] 2001-06-29  
[86] 1999-11-12 (PCT/US99/26934)  
[87] 2000-07-13 (WO00/40953)  
[30] US (09/224,580) 1998-12-31

[21] **2,358,255**  
[13] A1

[51] **Int.Cl. 7A22C 13/00 7B29D 22/00 7B29D 23/00**  
[25] EN  
[54] **THERMOPLASTIC FOOD CASING**  
[54] **CONTENANT THERMOPLASTIQUE POUR ALIMENTS**  
[72] YEN, WILLIAM W., US  
[71] YEN, WILLIAM W., US  
[85] 2001-06-29  
[86] 1999-12-29 (PCT/US99/31206)  
[87] 2000-07-13 (WO00/40093)  
[30] US (09/225,023) 1999-01-04

[21] **2,358,276**  
[13] A1

[51] **Int.Cl. 7A61M 25/00**  
[25] EN  
[54] **IMPROVED AORTIC CANNULA WITH TAPERED TIP**  
[54] **CANULE AORTIQUE AMELIOREE AVEC POINTE EFFILEE**  
[72] TODD, ROBERT J., US  
[72] GROOTERS, RONALD K., US  
[71] TODD, ROBERT J., US  
[71] GROOTERS, RONALD K., US  
[85] 2001-06-28  
[86] 1999-12-23 (PCT/US99/30801)  
[87] 2000-07-06 (WO00/38774)  
[30] US (09/221,903) 1998-12-28

[21] **2,358,241**  
[13] A1

[51] **Int.Cl. 7A01N 43/38 7A61K 31/40**  
[25] EN  
[54] **CONVERTING COX INHIBITION COMPOUNDS THAT ARE NOT COX-2 SELECTIVE INHIBITORS TO DERIVATIVES THAT ARE COX-2 SELECTIVE INHIBITORS**  
[54] **CONVERSION DE COMPOSITIONS D'INHIBITION DE COX NE CONSTITUANT PAS DES INHIBITEURS SELECTIFS DE COX 2 EN DERIVES CONSTITUANT DES INHIBITEURS SELECTIFS DE COX 2**  
[72] KALGUTKAR, AMIT S., US  
[72] MARNETT, LAWRENCE J., US  
[71] VANDERBILT UNIVERSITY, US  
[85] 2001-07-05  
[86] 1999-12-16 (PCT/US99/30219)  
[87] 2000-07-13 (WO00/40087)  
[30] US (60/115,090) 1999-01-07

[21] **2,358,257**  
[13] A1

[51] **Int.Cl. 7H01M 8/04**  
[25] EN  
[54] **LIQUID-COOLED FUEL CELL BATTERY COMPRISING AN INTEGRATED HEAT EXCHANGER**  
[54] **BATTERIE DE PILES A COMBUSTIBLE A REFROIDISSEMENT LIQUIDE COMPORTANT UN ECHANGEUR DE CHALEUR INTEGRE**  
[72] VON HELMOLT, RITTMAR, DE  
[72] BUCHNER, PETER, DE  
[71] SIEMENS AKTIENGESELLSCHAFT, DE  
[85] 2001-07-04  
[86] 2000-01-03 (PCT/DE00/00007)  
[87] 2000-07-13 (WO00/41261)  
[30] DE (199 00 166.9) 1999-01-05

[21] **2,358,285**  
[13] A1

[51] **Int.Cl. 7G01N 33/53 7A23J 1/00 7C07K 1/00**  
[25] EN  
[54] **METHOD AND KIT FOR EXTRACTING PRION PROTEIN**  
[54] **PROCEDE ET KIT D'EXTRACTION DE PROTEINE PRION**  
[72] ALPERT, ANDREW J., US  
[72] SCHMERR, MARY JO, US  
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICUL, US  
[71] ALPERT, ANDREW J., US  
[85] 2001-07-05  
[86] 2000-01-07 (PCT/US00/00457)  
[87] 2000-07-13 (WO00/40966)  
[30] US (60/115,272) 1999-01-08  
[30] US (09/420,850) 1999-10-19

[21] **2,358,248**  
[13] A1

[51] **Int.Cl. 6H01M 2/16**  
[25] EN  
[54] **DURABLE HYDROPHILIC NONWOVEN MAT FOR RECHARGEABLE ALKALINE BATTERIES**  
[54] **MAT NON TISSE, HYDROPHILE ET DURABLE, UTILISE DANS DES PILES ALCALINES RECHARGEABLES**  
[72] MATHUR, ASHISH, US  
[72] HENNING, GREGORY NEIL, US  
[72] RITTER, TIMOTHY L., US  
[72] KINN, LARRY L., US  
[71] BBA NONWOVENS SIMPSONVILLE, INC., US  
[85] 2001-07-06  
[86] 2000-01-07 (PCT/US00/00473)  
[87] 2000-07-13 (WO00/41254)  
[30] US (60/115,172) 1999-01-08

[21] **2,358,270**  
[13] A1

[51] **Int.Cl. 7A21B 1/22**  
[25] EN  
[54] **SCANNING LIGHTWAVE OVEN AND METHOD OF OPERATING THE SAME**  
[54] **FOUR A BALAYAGE PAR ONDES LUMINEUSES ET PROCEDE D'UTILISATION CORRESPONDANT**  
[72] SCHESTEDT, WILLIAM H., US  
[72] MINNEAR, WILLIAM P., US  
[72] ROMITI, JAY G., US  
[72] WESTERBERG, EUGENE R., US  
[71] QUADLUX, INC., US  
[85] 2001-07-04  
[86] 2000-01-07 (PCT/US00/00391)  
[87] 2000-07-13 (WO00/40912)  
[30] US (60/115,160) 1999-01-08

[21] **2,358,289**  
[13] A1

[51] **Int.Cl. 7A01N 43/38 7A61K 31/40**  
[25] EN  
[54] **AMIDE DERIVATIVES FOR ANTIANGIOGENIC AND/OR ANTITUMORIGENIC USE**  
[54] **DERIVES D'AMIDES DESTINES A UNE UTILISATION ANTI-ANGIOGENIQUE ET/OU ANTI-TUMORIGENE**  
[72] MARNETT, LAWRENCE J., US  
[72] KALGUTKAR, AMIT S., US  
[71] VANDERBILT UNIVERSITY, US  
[85] 2001-07-05  
[86] 1999-12-16 (PCT/US99/30220)  
[87] 2000-07-13 (WO00/40088)  
[30] US (09/226,693) 1999-01-07

## PCT Applications Entering the National Phase

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[21] **2,358,292**  
[13] A1  
[51] **Int.Cl. 7H02H 1/00 7H02H 3/00  
7G01S 13/00 7G01S 3/02 7H02H 1/04  
7H02H 9/06 7H02H 7/12 7H02H 3/22**  
[25] EN  
[54] **LIGHTNING PROTECTION  
SYSTEMS**  
[54] **SYSTEMES DE PROTECTION  
CONTRE LA FOUDRE**  
[72] PAGE, J. DENNIS, US  
[71] PAGE, J. DENNIS, US  
[85] 2001-06-29  
[86] 2000-01-05 (PCT/US00/00168)  
[87] 2000-07-13 (WO00/41286)  
[30] US (60/114,832) 1999-01-06

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[21] **2,358,296**  
[13] A1  
[51] **Int.Cl. 7A01N 61/00 7A61K 31/00  
7A61K 38/00 7A01N 37/18 7A61K 39/395**  
[25] EN  
[54] **TARGETED TRANSSCLERAL  
CONTROLLED RELEASE DRUG  
DELIVERY TO THE RETINA AND  
CHOROID**  
[54] **ADMINISTRATION CIBLEE DE  
MEDICAMENT A LIBERATION  
REGULEE VERS LA RETINE ET LA  
CHOROIDE A TRAVERS LA  
SCLEROTIQUE**  
[72] MILLER, JOAN W., US  
[72] GRAGOUDAS, EVANGELOS S., US  
[72] ADAMIS, ANTHONY P., US  
[71] MASSACHUSETTS EYE AND EAR  
INFIRMARY, US  
[85] 2001-07-05  
[86] 2000-01-05 (PCT/US00/00207)  
[87] 2000-07-13 (WO00/40089)  
[30] US (60/114,905) 1999-01-05

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[21] **2,358,297**  
[13] A1  
[51] **Int.Cl. 6H02J 1/10**  
[25] EN  
[54] **LOAD SHIFTING CONTROL  
SYSTEM FOR COMMERCIAL  
REFRIGERATION**  
[54] **SYSTEME DE COMMANDE DU  
DEPLACEMENT DES CHARGES  
DESTINE A LA REFRIGERATION  
COMMERCIALE**  
[72] SHAPIRO, DORON, US  
[71] HUSSMANN CORPORATION, US  
[85] 2001-07-03  
[86] 1999-08-17 (PCT/US99/18764)  
[87] 2000-07-13 (WO00/41288)  
[30] US (09/227,986) 1999-01-08

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[21] **2,358,306**  
[13] A1  
[51] **Int.Cl. 7B32B 5/18**  
[25] EN  
[54] **MICROCELLULAR CARBON  
FOAMS AND MICROCELLULAR C/C  
COMPOSITES FABRICATED  
THEREFROM**  
[54] **MOUSSES DE CARBONE  
MICROCELLULAIRES ET  
COMPOSITES C/C  
MICROCELLULAIRES FABRIQUES A  
PARTIR DE TELLES MOUSSES**  
[72] TAN, SENG C., US  
[71] TAN, SENG C., US  
[85] 2001-06-29  
[86] 1999-12-27 (PCT/US99/30884)  
[87] 2000-07-06 (WO00/39043)  
[30] US (09/222,630) 1998-12-29

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[21] **2,358,313**  
[13] A1  
[51] **Int.Cl. 7A23K 1/16 7A61P 17/00  
7A23K 1/18 7A61K 31/195**  
[25] EN  
[54] **FOOD OR VETERINARY  
COMPOSITION FOR DOMESTIC  
CARNIVORES CONTAINING FREE  
TYROSINE**  
[54] **COMPOSITION ALIMENTAIRE  
OU VETERINAIRE DESTINEE A DES  
ANIMAUX DOMESTIQUES  
CARNIVORES, CONTENANT DE LA  
TYROSINE LIBRE**  
[72] DEBOISE, MICKAEL, FR  
[72] SERGHERAERT, RENAUD, FR  
[72] BIOURGE, VINCENT, FR  
[71] ROYAL CANIN S.A., FR  
[85] 2001-06-28  
[86] 2000-11-02 (PCT/IB00/01634)  
[87] 2001-05-10 (WO01/32030)  
[30] FR (99/13657) 1999-11-02

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[21] **2,358,314**  
[13] A1  
[51] **Int.Cl. 7A61K 45/00 7A61P 9/10  
7C07D 401/12 7C07D 413/12 7A61K 31/  
517 7C07D 239/96**  
[25] EN  
[54] **BLOOD VESSEL LIPID  
DEPOSITION-PREVENTIVE AGENT  
COMPRISING CHYMASE-INHIBITOR**  
[54] **INHIBITEURS DIRIGES CONTRE  
LE DEPOT DE LIPIDES DANS LES  
VAISSEAUX, CONTENANT DES  
SUBSTANCES INHIBANT LA  
CHYMASE**  
[72] URATA, HIDENORI, JP  
[72] FUKAMI, HARUKAZU, JP  
[71] SUNTORY LIMITED, JP  
[85] 2001-06-29  
[86] 2000-11-01 (PCT/JP00/07706)  
[87] 2001-05-10 (WO01/32214)  
[30] JP (11/311257) 1999-11-01

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[21] **2,358,315**  
[13] A1  
[51] **Int.Cl. 7C07C 69/017 7C07D 261/12  
7C07C 327/20 7A61K 31/235 7C07D 333/  
24 7A61K 31/265 7A61K 31/381 7A61K  
31/42 7A61K 31/455 7C07C 69/76 7C07D  
213/80 7C07C 69/92 7C07C 69/96**  
[25] EN  
[54] **ORTHO-DIPHENOL COMPOUNDS,  
METHODS AND PHARMACEUTICAL  
COMPOSITIONS FOR INHIBITING  
PARP**  
[54] **COMPOSES ORTHO-DIPHENOL,  
PROCEDES ET COMPOSITIONS  
PHARMACEUTIQUES PERMETTANT  
D'INHIBER LA POLY(ADP-RIBOSE)  
POLYMERASE (PARP)**  
[72] ZHANG, JIE, US  
[72] LI, JIA-HE, US  
[72] SERDYUK, LARISA E., US  
[71] GUILFORD PHARMACEUTICALS  
INC., US  
[85] 2001-06-26  
[86] 1999-12-28 (PCT/US99/30971)  
[87] 2000-07-06 (WO00/39070)  
[30] US (09/224,294) 1998-12-31

## Demandes PCT entrant en phase nationale

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[21] **2,358,316**

[13] A1

[51] **Int.Cl. 7C04B 24/42 7C04B 7/14**

[25] EN

[54] **SILICON CONTAINING**

**GRINDING AIDES FOR SLAG**

[54] **MATERIAUX DE BROyage**

**CONTENANT DU SILICIUM POUR**

**LAITIER**

[72] LOPES DA CUNHA, SEBASTIAO

WALTER JR., BR

[71] DOW CORNING CORPORATION, US

[85] 2001-06-29

[86] 1999-12-23 (PCT/US99/31012)

[87] 2000-07-06 (WO00/39046)

[30] BR (PI 9805843-6) 1998-12-29

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[21] **2,358,317**

[13] A1

[51] **Int.Cl. 7B60S 1/08**

[25] EN

[54] **SYNCHRONIZATION SYSTEM**

**FOR MOTORS**

[54] **SYSTEME DE**

**SYNCHRONISATION POUR MOTEURS**

[72] STRONCZEK, STEVEN J., US

[71] COMMERCIAL VEHICLE SYSTEMS

INC., US

[85] 2001-06-29

[86] 1999-12-29 (PCT/US99/31229)

[87] 2000-07-06 (WO00/38961)

[30] US (09/223,114) 1998-12-30

## **PCT Applications Entering the National Phase**

## Canadian Divisional and Previously Unavailable Laid-Open applications

### Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

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[21] **2,356,441**  
[13] A1  
[51] **Int.Cl. 7H04L 12/56 7H04L 29/10**  
[25] EN  
[54] **BROADBAND SWITCHING NETWORKS**  
[54] **RESEAUX DE COMMUTATION A LARGE BANDE**  
[72] HIDAKA, YOSHIHARU, JP  
[72] KOBAYASHI, HIROSHI, JP  
[72] KAMURA, KOUICHIROU, JP  
[72] YANO, MOTOMITSU, JP  
[72] IKEDA, TAKASHI, JP  
[72] AIDA, KAZUO, JP  
[71] KABUSHIKI KAISHA TOSHIBA, JP  
[22] 1991-07-26  
[43] 1992-01-28  
[62] 2,047,948  
[30] JP (2-199948) 1990-07-27

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[21] **2,357,488**  
[13] A1  
[51] **Int.Cl. 7B63B 35/85 7A63C 9/00 7B63B 35/79**  
[25] EN  
[54] **INTEGRAL OVERLAY WAKEBOARD BINDING AND SYSTEM**  
[54] **SYSTEME DE FIXATION POUR PLANCHE A NEIGE A RECOUVREMENT INTEGRAL**  
[72] GEORGE, ERIC S., US  
[72] VUKELIC, GREGG A., US  
[71] EARTH & OCEAN SPORTS, INC., US  
[22] 1998-09-18  
[43] 1999-11-15  
[62] 2,247,755  
[30] US (09/080,069) 1998-05-15

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[21] **2,357,489**  
[13] A1  
[51] **Int.Cl. 7A47K 10/42**  
[25] EN  
[54] **PROCESS AND APPARATUS FOR DISPENSING PAPER TOWELS**  
[54] **PROCEDE ET APPAREIL POUR LA DISTRIBUTION DE SERVIETTES EN PAPIER**  
[72] DODGE, BERNARD E., US  
[72] FORMON, JOHN S., US  
[71] GEORGIA-PACIFIC CORPORATION, US  
[22] 1997-05-30  
[43] 1997-12-05  
[62] 2,206,538  
[30] US (08/659,214) 1996-06-05

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[21] **2,357,494**  
[13] A1  
[51] **Int.Cl. 7G06F 17/30**  
[25] EN  
[54] **SYSTEM FOR INTEGRATING AN ON-LINE SERVICE COMMUNITY WITH A FOREIGN SERVICE**  
[54] **SYSTEME PERMETTANT D'INTEGRER UN SERVICE ETRANGER DANS UNE COMMUNAUTE UTILISANT UN SERVICE EN LIGNE**  
[72] TURNER, LEIGH R., US  
[72] MACNAUGHTON, BRUCE A., US  
[71] AMERICA ONLINE, INC., US  
[22] 1997-11-07  
[43] 1998-05-14  
[62] 2,270,969  
[30] US (08/745,294) 1996-11-08

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[21] **2,357,502**  
[13] A1  
[51] **Int.Cl. 7G06K 9/62 7G07D 7/00**  
[25] EN  
[54] **CURRENCY IDENTIFICATION DEVICE AND METHOD**  
[54] **METHODE ET APPAREIL UTILISE AUX FINS D'IDENTIFICATION MONETAIRE**  
[72] CSULITS, FRANK M., US  
[72] BAUCH, AARON M., US  
[72] STROMME, LARS R., US  
[72] MUNRO, MARK C., US  
[72] SCHREITER, HEINZ W., US  
[72] MENNIE, DOUGLAS U., US  
[72] JONES, JOHN E., US  
[72] GRAVES, BRADFORD T., US  
[72] JONES, WILLIAM J., US  
[72] RATERMAN, DONALD E., US  
[72] MAZUR, RICHARD A., US  
[71] CUMMINS-ALLISON CORPORATION, US  
[22] 1995-03-08  
[43] 1995-09-14  
[62] 2,316,138  
[30] US (08/207,592) 1994-03-08  
[30] US (08/219,093) 1994-03-29  
[30] US (08/226,660) 1994-04-12  
[30] US (08/243,807) 1994-05-16  
[30] US (08/287,882) 1994-08-09  
[30] US (08/317,349) 1994-10-04  
[30] US (08/340,031) 1994-11-14  
[30] US (08/362,848) 1994-12-22  
[30] US (08/394,752) 1995-02-27  
[30] US (08/399,854) 1995-03-07



## Canadian Divisional and Previously Unavailable Laid-Open applications

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[21] **2,357,553**

[13] A1

[51] **Int.Cl. 7F02C 7/22**

[25] EN

[54] **GAS TURBINE FUEL SYSTEM  
COMPRISING FUEL OIL  
DISTRIBUTION CONTROL SYSTEM,  
FUEL OIL PURGE SYSTEM, PURGING  
AIR SUPPLY SYSTEM, AND FUEL  
NOZZLE WASH SYSTEM**

[54] **SYSTEME D'ALIMENTATION EN  
CARBURANT D'UNE TURBINE A GAZ  
COMPRENANT UN SYSTEME DE  
REGULATION DE LA DISTRIBUTION  
DU CARBURANT, UN SYSTEME DE  
VIDANGE AUTOMATIQUE DU  
CARBURANT, UN CIRCUIT DE  
GENERATION D'AIR DE PURGE ET UN  
SYSTEME DE LAVAGE DU GICLEUR  
DE CARBURANT**

[72] NAKAMOTO, YUKIMASA, JP

[71] MITSUBISHI HEAVY INDUSTRIES,  
LTD., JP

[22] 1999-05-04

[43] 1999-11-08

[62] 2,270,672

[30] JP (10-126039) 1998-05-08

[30] JP (10-126040) 1998-05-08

[30] JP (10-127347) 1998-05-11

[30] JP (10-128938) 1998-05-12

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[21] **2,357,555**

[13] A1

[51] **Int.Cl. 7F02C 7/22**

[25] EN

[54] **GAS TURBINE FUEL SYSTEM  
COMPRISING FUEL OIL  
DISTRIBUTION CONTROL SYSTEM,  
FUEL OIL PURGE SYSTEM, PURGING  
AIR SUPPLY SYSTEM, AND FUEL  
NOZZLE WASH SYSTEM**

[54] **SYSTEME D'ALIMENTATION EN  
CARBURANT D'UNE TURBINE A GAZ  
COMPRENANT UN SYSTEME DE  
REGULATION DE LA DISTRIBUTION  
DU CARBURANT, UN SYSTEME DE  
VIDANGE AUTOMATIQUE DU  
CARBURANT, UN CIRCUIT DE  
GENERATION D'AIR DE PURGE ET UN  
SYSTEME DE LAVAGE DU GICLEUR  
DE CARBURANT**

[72] NAKAMOTO, YUKIMASA, JP

[71] MITSUBISHI HEAVY INDUSTRIES,  
LTD., JP

[22] 1999-05-04

[43] 1999-11-08

[62] 2,270,672

[30] JP (10-126039) 1998-05-08

[30] JP (10-126040) 1998-05-08

[30] JP (10-127347) 1998-05-11

[30] JP (10-128938) 1998-05-12

# Index of Canadian Patents Issued

November 6, 2001

## Index des brevets canadiens délivrés

6 novembre 2001

A.T.X. INTERNATIONAL, INC.		Brookhart, Maurice S.	2,051,148	Exxon Research & Engineering	
Acufex Microsurgical, Inc.	2,254,685	Brown, Hugh Keith	2,133,988	Company	2,169,096
Adam, Yossi	2,045,903	Buckman Laboratories		F. HOFFMANN-LA ROCHE AG	
Adams, Daniel O.	2,100,566	International, Inc.	2,024,989	Fenster, Paul	2,193,178
Agouron Pharmaceuticals, Inc.	2,024,060	BURKE, Michael K.	2,245,195	Fenster, Paul	2,056,993
AGRICULTURAL RESEARCH		Byrne, Norman R.	2,040,567	FISCH, EBERHARD H.	2,064,816
INSTITUTE OF ONTARIO		Campbell, Jeffrey Allen	2,193,178	Fisher, Lawrence Emerson	2,304,917
AINS WORTH LUMBER CO.	2,192,309	CANON KABUSHIKI KAISHA	2,141,646	Fisons plc	2,193,178
LTD.		CARENTON LIMITED	2,241,664	Fleckenstein, Hermann	1,341,314
Akiyama, Yuji	2,303,689	Castelhana, Arlindo Lucas	2,193,178	Flotow, Richard A.	2,145,772
ALPHA ZAICON	2,141,646	CERCUEILS ALLIANCE		FOUQUET, ROBERT J-M	2,041,760
TECHNOLOGY INC.	2,301,432	CASKETS INC.	2,261,457	Frowis, Markus	2,303,689
AMERICAN CYANAMID		Cerier, Jeffrey C.	2,045,903	Frowis, Markus	2,157,818
COMPANY	1,341,315	Chin, David A.	2,145,350	Fujita, Kagari	2,157,819
AMERICAN SIGMA, INC.	2,259,930	CHIU, Ciber	2,261,239	Fujita, Miyuki	2,032,559
Amey, Ronald Lee	2,056,301	CHOU, Tser-Wen	2,245,364	Fukami, Takehiro	2,141,646
AMIN, Umesh J.	2,231,932	CIBA SPECIALTY		FUKUDA, Susumu	2,032,559
ANDERSON, JEFFREY L.	2,330,524	CHEMICALS HOLDING		Ganahl, Otmar	2,225,844
ANDOU, Hidehiro	2,197,342	INC.	2,020,558	Gazit, Alon	2,060,487
Angel, Willem	2,150,353	COOK, Phillip Dan	2,214,535	Gerstner, Steve	2,100,566
Angelette, Aubrey M.	2,065,608	Coutant, Antoine	1,341,316	Goleby, Leslie David	2,044,798
ARIYOSHI, Hisashi	2,225,844	Cox, David	1,341,314	GOODNOUGH, Michael C.	2,092,809
Ashkenazi, Itzhak	2,064,816	CSULITS, FRANK M.	2,316,138	GRAVES, BRADFORD T.	2,250,251
AT&T IPM CORP.	2,169,785	CUMMINS-ALLISON		GREAT LAKES CHEMICAL	2,316,138
AT&T WIRELESS SERVICES		CORPORATION	2,316,138	CORPORATION	2,050,201
INC.	2,231,932	Dadgar, Ahmad	2,050,201	GRIFFEY, Rich H.	2,214,535
ATKINSON, George H.	2,253,523	DARATA, Paul	2,223,018	Griffith, Martin G.	2,169,096
ATR Human Information		DAVIS, Bruce	2,223,018	Guillon, Luc	2,157,818
Processing Research		Denton, Gordon W.	2,041,760	Guillon, Luc	2,157,819
Laboratories	2,210,826	DERBY, Howard Vincent	2,208,452	GUPTA, Rajendra P.	2,261,665
AXYA MEDICAL, INC.	2,212,325	DESIGNSCAPE ENTERPRISES		HAMADA, Tetsuro	2,226,839
A-Z AUSTRUSTUNG UND		LTD.	2,193,942	Hamann, Philip R.	1,341,315
ZUBEHOR GMBH & CO.		DiCarlo, Paul	2,045,903	HANNON, John L., Jr.	2,245,485
KG	2,234,092	DICKE, Robert	2,234,092	HAPPY WORLD INC.	2,218,724
AZADEGAN, FARAMARZ	2,304,917	DISSETT, Walter L.	2,218,834	HARTMAN, MARINUS	2,315,934
Banyu Pharmaceutical Co., Ltd.	2,032,559	DIXIE PRECAST, INC.	2,065,608	Hayama, Takashi	2,032,559
Barnea, Dan	2,056,993	DONEDDU, Mark	2,228,673	Hayhurst, John O.	2,045,903
Batterink, Henri	2,150,353	DOUTT, Kingsley	2,221,202	Hendricks, Robert Than	2,193,178
BAUCH, AARON M.	2,316,138	DU PONT (E. I.) DE NEMOURS		Heraud, Louis G.	2,046,560
BEGHELLI S.P.A.	2,056,961	AND COMPANY	2,056,075	Herkes, Frank E.	2,056,075
Beghelli, Gian Pietro	2,056,961	DU PONT (E. I.) DE NEMOURS		HIDEO, Hasegawa	2,218,724
BÉLANGER, Herman	2,261,457	AND COMPANY	2,056,301	HIGASHIKATA, Isao	2,208,910
Bender, Steven Lee	2,193,178	Dubois, Jacques	1,341,317	HIGUCHI, Kenichi	2,197,342
BERGER, Noëlle	2,208,995	Dutch A & A Trading B.V.	2,150,353	HILTI	
BIAO, Sun	2,233,850	Dwyer, James W.	2,045,903	AKTIENGESELLSCHAFT	2,060,487
BLOSS, Jacob Moses	2,241,664	E.I. DU PONT DE NEMOURS		HILTI Aktiengesellschaft	2,157,818
BORER, Timothy John	2,231,430	AND COMPANY	2,245,485	Hilti Aktiengesellschaft	2,157,819
BOSE, Tamal	2,208,452	EATON CORPORATION	2,041,760	Hinman, Lois M.	1,341,315
Bourgeau, Jacques D.	2,145,350	EGAN, Thomas D.	2,212,325	Hirabayashi, Hiromitsu	2,141,646
Boury, Didier P.	2,046,560	ELF ATOCHEM, S.A.	2,208,995	HO, Dominic King-Choi	2,231,605
BRANTFORD CHEMICALS		Ellestad, George A.	1,341,315	Hollis, Cecil G.	2,024,989
INC.	2,212,449	ENGLE, Thomas H.	2,203,196	HONDA GIKEN KOGYO	
BRISEBOIS, Henri	2,159,791	EQUESTRIAN CO., LTD.	2,193,876	KABUSHIKI KAISHA	2,226,839
Broka, Chris Allen	2,193,178	Evans, Samuel	2,020,558	Hornung, Helmut	2,145,772

## Index of Canadian Patents Issued November 6, 2001

Howarth, Jonathan	2,050,201	MASAMORI, Uchiyama	2,218,724	Pelenc, Vincent Pascal	2,115,164
HSU, Michael S.	2,237,632	Mase, Toshiaki	2,032,559	PIERRE FABRE DERMO-	
HUGHES, Iain Allan	2,208,364	MASUDA, Ikuyo	2,210,826	COSMETIQUE	1,341,317
HUH, Jae Doo	2,218,724	MATSUSHITA GRAPHIC		Pignatelli, Paul	2,193,942
Ihara, Masaki	2,032,559	COMMUNICATION		Pinhas, Hanna	2,064,816
IL HWA CO., LTD.	2,218,724	SYSTEMS, INC.	2,264,730	PRADAL, Bortolo M.	2,262,977
Inaba, Minoru	2,184,037	Mattis, John S.	2,050,286	PrisTech, Inc.	2,103,712
INAI, Makoto	2,225,844	MATU, Dan S.	2,212,449	Raemhild, Gary A.	2,146,748
INDIGO N.V.	2,056,993	MAZUR, RICHARD A.	2,316,138	RAJAN, Sreeraman	2,208,452
INDIGO N.V.	2,064,816	McCall, Floyd	2,170,366	RANDOLPH, Gary	2,259,930
INDIGO N.V.	2,100,566	McCROMETER, INC.	2,170,366	RATERMAN, DONALD E.	2,316,138
Ingall, Anthony Howard	1,341,314	McGahren, William James	1,341,315	RAYCHEM CORPORATION	2,050,286
INGRAM, Keith W.	2,237,141	MENNIE, DOUGLAS U.	2,316,138	RAYCHEM CORPORATION	2,100,336
INNOVATIVE LASERS		Mercieux, Cecile	1,341,316	Rayudu, Sreedhar R.	2,024,989
CORPORATION	2,253,523	MERCURIO, Frank	2,254,685	REVALL CO., LTD.	2,231,461
INNOVISION LIMITED	2,231,430	MICRO MOTION, INC.	2,208,452	REY, Allan W.	2,212,449
ISHII, Mikihiko	2,247,690	MIKI, Yoshinori	2,197,342	RHODIA CHIMIE	1,341,316
Ishikawa, Kiyofumi	2,032,559	MILLER, Larry	2,223,018	ROBERTS, David James	
ISIS PHARMACEUTICALS,		MINAGAWA, Mitsuo	2,231,461	Alexander	2,228,673
INC.	2,214,535	MINAGAWA, Osamu	2,231,461	Roberts, Don	2,044,798
ISOVER SAINT-GOBAIN	2,145,772	Mita, Yasuhiro	2,188,041	ROSS, Bruce S.	2,214,535
Janssen, Rupert	2,157,818	MITSUBISHI HEAVY		ROTVOLD, Bruce E.	2,231,932
Janssen, Rupert	2,157,819	INDUSTRIES, LTD.	2,247,690	ROYAL VENDORS, INC.	2,167,761
JARMAN, PHILIP S.	2,280,624	MIZUGUCHI, Masaaki	2,209,970	RYAN, Elizabeth Mary	2,208,364
JAY, Pierre	2,208,995	MIZUTANI, Yasukazu	2,233,850	Sabo-Etienne, Sylviane	2,051,148
JOHNSON & JOHNSON INC.	2,159,791	Monnier, Philippe	2,033,695	SAITO, Kyoji	2,264,730
JOHNSON, Eric A.	2,250,251	Monsan, Pierre Frédéric	2,115,164	SAKAKIBARA, Takeo	2,208,910
Jones, J. Phillip	2,100,336	MORGAN ADHESIVES		SAMSUNG ELECTRONICS	
JONES, JOHN E.	2,316,138	COMPANY	2,330,524	CO., LTD.	2,241,379
JONES, WILLIAM J.	2,316,138	Morikawa, Masaru	2,059,705	SANGHVI, Yogesh S.	2,214,535
KAPOOR, AKHILESH	2,299,701	MOTOROLA, INC.	2,262,977	Sarma, Keshab	2,193,178
KAWADA, Minoru	2,247,690	MUNRO, MARK C.	2,316,138	Sasajima, Tetsuo	2,059,705
KAWAHARA, Hideki	2,210,826	MURATA MANUFACTURING		Sassiver, Martin Leon	1,341,315
Keith, Peter T.	2,024,060	CO., LTD.	2,225,844	SATOSHI, Matsumiya	2,218,724
KERR, REG	2,301,432	MURPHY, Richard F.	2,245,195	SAWAHASHI, Mamoru	2,197,342
Kidwell, David A.	2,091,255	MURTHY, K. S. Keshava	2,212,449	SCHATZ, CARL	2,299,701
KLIEBHAN, Daniel Francis	2,254,430	N.V. Philips'		SCHILLING, Peter	2,212,545
Knox, Wayne Harvey	2,169,785	Gloeilampenfabrieken	2,304,917	SCHLUMBERGER CANADA	
KNUDSON, Edward Bruce	2,223,018	Nagase, Toshio	2,032,559	LIMITED	2,315,934
KOBAYASHI, Kazunori	2,226,839	Namiki Precision Jewel Co., Ltd.	2,046,275	SCHREITER, HEINZ W.	2,316,138
Kollaard, William	2,192,309	NEC CORPORATION	2,234,738	SCIENTIFIC-ATLANTA, INC.	2,150,467
Konno, Yoshihiro	2,046,275	Neward, Theodore Chester	2,103,712	SCIMED LIFE SYSTEMS, INC.	2,024,060
KOSEKI, Hideki	2,208,910	Niiyama, Kenji	2,032,559	Sergent, Rodney H.	2,050,201
KOSEKI, Hideki	2,233,850	Nipp, Hansjorg	2,060,487	SETO, Hiroyuki	2,225,844
Kousek, Heinz	2,060,487	Nippon Sheet Glass Co., Ltd.	2,059,705	Shimada, Takehiko	2,193,876
Kume, Hiroshi	2,046,275	Nishikibe, Masaru	2,032,559	SILMAR INVESTMENTS, LLC	2,280,624
KURODA, Koji	2,226,839	NOGUCHI, Yoshitaka	2,209,970	Small, Alan A.	2,045,903
Kuwabara, Nobuyuki	2,141,646	NORTEL NETWORKS		SOCIETE NATIONALE	
LaFLEUR, Patricia Alison	2,228,295	LIMITED	2,231,605	D'ETUDE ET DE	
LAITY, Ian A.	2,231,145	Noser, Otto	2,060,487	CONSTRUCTION DE	
LANDA, Benzion	2,056,993	NOVARTIS AG	2,033,695	MOTEURS D'AVIATION	
LANDA, Benzion	2,064,816	NTT MOBILE		"SNEC	2,046,560
Lavon, Amiran	2,056,993	COMMUNICATIONS		Sorenson, Blaine F.	2,146,748
LEE, Myeong-hwan	2,241,379	NETWORK INC.	2,188,041	Southpac Trust International, Inc.	
Leemann, Hans	2,060,487	NTT MOBILE			2,079,100
LEPPLA, Jeffrey Keith	2,228,295	COMMUNICATIONS		SOUTHWORTH, Robert O.	2,254,685
Levy, Uri	2,056,993	NETWORK INC.	2,197,342	SPRANKLE, Kelly G.	2,214,535
LINDERSON, Paul E.	2,254,685	Oden, Kenneth W.	2,167,761	SPRINGER, Robert H.	2,214,535
Lior, Ishaiu	2,056,993	Ohta, Tokuya	2,141,646	ST. ONGE, Kenneth John	2,215,276
Lior, Ishaiu	2,064,816	OKUI, Fujio	2,225,844	Stiefel Canada Inc.	2,145,350
LUCAS, Keith	2,150,467	OWENS-ILLINOIS CLOSURE		STROMME, LARS R.	2,316,138
LUCENKO, Michael	2,215,276	INC.	2,237,141	Sucht, Gayle A.	2,050,286
LUCENT TECHNOLOGIES		Pacitto, Frank	2,193,942	SUETAKE, Kazuyuki	2,226,839
INC.	2,254,430	PANIAGUA OLAECHEA,		Sugama, Sadayuki	2,141,646
Mackay, Richard J.	2,145,350	Rosalina	2,210,692	SUGIYAMA, Akihiko	2,234,738
Malcolm, Ian	2,192,309	Paul, François Marie Bernard	2,115,164	SUNG, Jong Hwan	2,218,724

**Index des brevets canadiens délivrés  
6 novembre 2001**

Suschitzky, John Louis	1,341,314	Zimmerman, Phyllis E.	2,074,599
Szadkowski, Stan	2,039,140	ZTEK CORPORATION	2,237,632
Takatori, Yasushi	2,141,646		
THE BOC GROUP, INC.	2,299,701		
THE GOVERNMENT OF THE UNITED STATES OF THE AMERICA, AS REPRESENTED BY THE	2,091,255		
THE PROCTER & GAMBLE COMPANY	2,208,364		
THE PROCTER & GAMBLE COMPANY	2,228,295		
Tomita, Akira	2,100,336		
TORTOSA, Pedro J.	2,229,356		
TOYODA, Kiyoshi	2,264,730		
TRACTECH INC.	2,218,834		
Tube Technology Pty. Ltd.	2,092,809		
TUCKER, Jeffrey A.	2,245,485		
Ubukata Industries Co., Ltd.	2,208,910		
UBUKATA INDUSTRIES CO., LTD.	2,233,850		
ULICE	2,115,164		
Umeda, Narumi	2,188,041		
UNITED TECHNOLOGIES CORPORATION	2,215,276		
UNITED VIDEO PROPERTIES, INC.	2,223,018		
University of North Carolina at Chapel Hill (The)	2,051,148		
University of South Florida	2,133,988		
Upeslakis, Janis	1,341,315		
URANO, Mitsuhiro	2,233,850		
URVOLD, IAN V.	2,280,624		
Uzzle, Thomas E.	2,167,761		
VADAKETH, Leena	2,228,295		
van den Bergh, Hubert	2,033,695		
Van Mil, Jan	2,064,816		
VANDERLEEST, Ruurd Edward	2,215,276		
VESUVIUS GROUP S.A.	2,039,140		
W.A. DEUTSHER PTY LTD	2,228,673		
Wagnières, Georges	2,033,695		
WAINES, GARY S.	2,301,432		
Wartenberg, F. Mark	2,100,336		
WEATHERBEE, Brian	2,230,676		
WEATHERBEE, Lloyd H.	2,230,676		
Weder, Donald E.	2,079,100		
Weil, Claude	2,192,309		
WEISS, VICTOR H.	2,330,524		
WESTINGHOUSE AIR BRAKE COMPANY	2,203,196		
Westvaco Corporation	2,212,545		
WHITE, Christopher David	2,208,364		
WILLIAMS, STEVEN G.	2,282,212		
WISCONSIN ALUMNI RESEARCH FOUNDATION	2,250,251		
Withers, Paul Owen	2,102,231		
XIRCOM, INC.	2,231,145		
Xitron Technologies	2,102,231		
Yabusaki, Masami	2,188,041		
YAKOU, Takayuki	2,226,839		
Yamaha Corporation	2,209,970		
YAN, Yu	2,253,523		
Yano, Mitsuo	2,032,559		
ZEFTEK, INC.	2,245,195		

**Index of Canadian Patents Issued  
November 6, 2001**

# Index of Canadian Laid-Open Applications

October 14, 2001 - October 23, 2001

## Index des demandes canadiennes mises à la disponibilité du public

14 octobre 2001 - 23 octobre 2001

ABE, YUKI	2,342,397	BELL, EDWARD A.	2,342,694	CAMPBELL, GLENN	2,306,413
ABEL, JERRY	2,334,261	BERNSTROM, JOHN C.	2,340,541	CANON APTEX KABUSHIKI	
ADERANS CO., LTD.	2,323,403	BERSCHEL, GUENTER	2,334,420	KAISHA	2,344,297
ADRIAN STEEL COMPANY	2,344,081	BERTINO, LUIZ HENRIQUE	2,313,599	CANON KABUSHIKI KAISHA	2,343,853
AGOERO, ROBERT	2,343,844	BESTFOODS	2,344,123	CAREL, ALAIN	2,306,311
AGOERO, ROBERT	2,343,845	BESTOP INC.	2,344,079	CARL, UDO	2,343,995
AIR PRODUCTS AND CHEMICALS, INC.	2,344,488	BHARGAVA, AMIT	2,306,237	CARL, UDO	2,344,612
ALBERTA RESEARCH COUNCIL INC.	2,306,016	BHARGAVA, AMIT	2,344,502	CARROLL, JAMES	2,344,624
ALCATEL	2,342,953	BHP STEEL (AWI) PTY LIMITED	2,306,356	CARROLL, MARTIN D.	2,339,759
ALLARD, LOUIS	2,342,477	BICK, ERNEST THEODORE	2,343,687	CASCADE ENGINEERING, INC.	2,305,909
ALLISTON, MICHAEL G.	2,344,219	BILLINGHAM, JOHN FREDRIC	2,344,106	CELES	2,343,677
ALMEIDA, FABIO J.D.	2,305,982	BILLWHIZ INC.	2,305,914	CENATIEMPO, PHIL	2,317,332
ALSTOM	2,344,256	BILLWHIZ INC.	2,306,589	CERNY, PETR	2,343,847
ALSTOM	2,344,272	BITTNER, GUNTHER	2,316,772	CHAIGNOT, JEAN-PHILIPPE	2,343,677
ANASTACIO, NELSON	2,305,845	BLANKENSHIP, NELLIE	2,344,079	CHASEN, JAMES E.	2,326,859
ANDERHUBER, MARC	2,343,677	BOARD OF TRUSTEES OPERATING MICHIGAN STATE UNIVERSITY	2,344,770	CHAUVEAU, BRUNO	2,343,622
ANDRIC, RADISLAV	2,305,912	BODE, JENS	2,344,289	CHEAL, JONATHAN PAUL ANTHONY	2,344,082
ANGEL, JEFFREY R.	2,342,446	BOECK, ALEXANDER	2,344,128	CHEN, CHANG SHUN	2,305,481
ARGENTINO, GIOVANNI	2,305,857	BOGARDUS, GARY	2,344,295	CHEN, KUAN PAO	2,343,868
ARMAN, BAYRAM	2,344,101	BOHN, HORST	2,344,237	CHENG, YIHAO	2,344,021
ARMAN, BAYRAM	2,344,106	BOLYARD, EDWARD W., JR.	2,342,382	CHEVRON ORONITE	
ATOFINA CHEMICALS, INC.	2,335,263	BONAQUIST, DANTE PATRICK	2,344,101	COMPANY LLC	2,343,641
AVENTIS BEHRING GMBH	2,342,482	BONAQUIST, DANTE PATRICK	2,344,106	CHEVRON ORONITE JAPAN LIMITED	2,344,490
AVISO PACKAGING, LLC	2,314,580	BOT CONSTRUCTION LIMITED	2,306,295	CHINA PETROCHEMICAL CORPORATION	2,344,015
BABINSKI, KAZIMEIRZ	2,304,494	BOT, STEVEN ROBERT	2,306,295	COGISCAN INC.	2,306,304
BADGER, BRIAN	2,344,800	BOUCQUEY, ALAIN MARIE VICTOR HENRI	2,344,581	COGISCAN INC.	2,326,301
BAINS ULTRA INC.	2,305,988	BOURGON, JEAN-MARC	2,343,622	COLSON, WENDELL B.	2,344,617
BAKER HUGHES INCORPORATED	2,344,729	BOWES, KENNETH L.	2,327,640	CONRAD, WAYNE ERNEST	2,306,291
BALL, GARY	2,306,290	BOXHOORN, HARRY	2,306,413	COOPER CAMERON CORPORATION	2,331,195
BALLI, ROBERT E.	2,307,260	BOYCE, DEAN ARDEN	2,328,019	CORDINGLEY, DONALD GEORGE	2,341,310
BALLOUL, JEAN-MARC	2,341,356	BRADLEY, JOHN A.	2,344,081	COREL CORPORATION	2,306,169
BARBER, DEREK G.	2,305,127	BRANDHORST, THEODORE T.	2,342,948	CORRIVEAU, ANDRE	2,306,304
BARDHAN, BIBHUTI BHUSAN	2,305,480	BRAUN, THORSTEN	2,340,560	CORRIVEAU, ANDRE	2,326,301
BARDHAN, BIBHUTI BHUSAN	2,306,031	BROOKHAVEN SCIENCE ASSOCIATES	2,342,567	COUFFET, CLAUDE	2,343,677
BARON, STEPHANE	2,305,988	BROSNAN, WILLIAM J.	2,343,870	COUSINEAU, MICHEL	2,307,351
BARTZ, SHAWN MICHAEL	2,328,019	BROWN, JAMES B., JR.	2,340,575	COUVIGNOU, XAVIER	2,344,123
BASF AKTIENGESELLSCHAFT	2,343,347	BROWN, JAMES B., JR.	2,341,799	CRAIG, SCOTT ALAN	2,343,913
BASU, PRABIR	2,306,203	BRUNELLE, HENRY	2,305,988	CRONRATH, CRISTOPH	2,344,017
BASU, PRABIR	2,344,033	BRYCE, THOMAS W.	2,306,244	CROOKER, RICHARD M.	2,335,263
BATES, CARY LEE	2,337,780	BRYCE, THOMAS W.	2,343,581	CROWN NORTH AMERICA	2,344,096
BAUER, MARK D.	2,342,382	BRYDEN, MICHELLE D.	2,344,020	CURRY, KENNETH	2,306,170
BAYER AKTIENGESELLSCHAFT	2,343,626	BUITRAGO, JUAN A.	2,343,641	DA, REN	2,338,615
BAYONNE, SERGE	2,343,622	BURGIN, MARKUS	2,344,758	DANA CORPORATION	2,343,849
BEAINI, PETER	2,306,022	CAE MCGEHEE, INC.	2,309,359	DANEKAS, FRANZ	2,343,841
BEAINI, PETER J.	2,343,681	CAILLE, GERARD	2,342,953	DAUBIGNY, ALAIN	2,343,677
BECK, INKA	2,344,123			DAVIDSON, CURTIS R.	2,338,951
BEGIN, MICHEL	2,306,097			DAVIS, HARRY H.	2,338,402
BEJANIN, STEPHANE	2,343,602				

**Index of Canadian Laid-Open Applications**  
**October 14, 2001 - October 23, 2001**

DAY, WESLEY WARREN	2,344,090	FRYK, BRUCE KEVIN	2,341,843	HIGASHI, KAZUYA	2,344,137
DEERE & COMPANY	2,322,576	FU, JINHUI	2,344,015	HIGH, MARTIN	2,306,290
DEERE & COMPANY	2,328,019	FUJITA, NORIHITO	2,344,395	HIGUCHI, MASAHIRO	2,344,080
DEERE & COMPANY	2,341,843	FURUMORI, KENJI	2,344,133	HIGUCHI, RUSSELL GENE	2,342,277
DEGROOT, JOHN	2,305,914	FUTURE VISION HOMES	2,343,869	HIGUMA, MASAHIKO	2,344,297
DEGROOT, JOHN	2,306,589	GAGNON, RONALD J.	2,337,742	HILTI	
DEGUSSA AG	2,344,499	GALLY, JOACHIM	2,344,120	AKTIENGESELLSCHAFT	2,342,504
DEL TECHNOLOGIE	2,305,482	GARCIA, JOSE A.	2,305,477	HIRAMOTO, KOJI	2,344,137
DELANEY, CHARLES E.	2,307,260	GAUTHIER, THIERRY	2,343,844	HIROSE, KENJI	2,344,783
DELISLE, VINCENT	2,344,021	GEBERIT TECHNIK AG	2,335,197	HISAGO KABUSHIKI KAISHA	
DELISLE, VINCENT	2,344,582	GEIST, MICHEL	2,341,356		2,344,783
DELISLE, VINCENT	2,344,609	GELFAND, DAVID HARROW	2,342,277	HNATIW, ALAN J.P.	2,344,021
DEN OUDSTEN, JAN	2,306,413	GENERAL ELECTRIC		HNATIW, ALAN J.P.	2,344,582
DESLOGES, MARC	2,305,482	COMPANY	2,344,800	HNATIW, ALAN J.P.	2,344,609
DIGITAL SECURITY		GENSET	2,343,602	HOFACKER, STEFFEN	2,343,626
CONTROLS LTD.	2,305,982	GEO TEC ELECTRONICS		HOGG, JAMES	2,305,821
DIMITRI, RICHARD	2,303,417	GBMH	2,316,772	HOLMAN, SAM J.	2,344,077
DIPAULO, ANTHONY M.	2,305,921	GERBER, MARTIN T.	2,344,017	HOME ACCESS HEALTH	
DORCEL, KNAPP WARREN	2,340,564	GERRISH, DAVID A.	2,344,780	CORPORATION	2,343,988
DOSTER, DEAN W.	2,314,792	GERSON, BRIAN	2,306,089	HOUOT, OLIVIER	2,344,123
DOUGLAS AUTOTECH CORP.		GERVAIS, RICHARD	2,306,326	HOWARD, LEE JARVIS	2,344,488
	2,341,800	GETZSCHMAN, DAN R.	2,344,079	HP INTELLECTUAL CORP.	2,326,859
DRASKOVIC, GORDAN	2,306,413	GETZSCHMAN, ERIC D.	2,344,079	HSIAO, YAO-KUEI	2,305,126
DSM FINE CHEMICALS		GHEN CORPORATION	2,344,183	HSIAO, YAO-KUEI	2,306,159
AUSTRIA NFG GMBH &		GIMENEZ, J. RAUL	2,343,913	HUANG, CHIEN-MING	2,305,126
CO KG	2,344,004	GINTER, HERBERT	2,342,504	HUANG, CHIEN-MING	2,306,159
DT VYHYBKARNA A		GIORDANO, JEAN-YVES	2,343,602	HUBER, ANDREAS	2,344,052
MOSTARNA, SPOL. S		GLASMACHER, HANS	2,316,772	HUBER, JOHANN	2,344,287
R.O.	2,343,847	GLAUSCH, RALF	2,344,120	HUDSON, SCOTT A.	2,343,687
DUBOIS, VINCENT	2,306,304	GLEINE, WOLFGANG	2,343,995	HUNTER DOUGLAS INC.	2,344,617
DUBOIS, VINCENT	2,321,009	GLEINE, WOLFGANG	2,344,612	IJIMA, MASAKI	2,326,885
DUBOIS, VINCENT	2,326,301	GOMEZ-HENRY, MICHEL	2,342,953	ILLINOIS TOOL WORKS INC.	2,342,382
DUDA, ANDREW	2,334,420	GORDON, MARK P.	2,344,096	IMAI, SAKIKO	2,323,403
DUFOURNET, DENIS	2,344,272	GOSCH, ROLF	2,344,273	IMANAKA, YOSHIYUKI	2,343,853
DUMAS MILNE EDWARDS,		GRANT, ANDREW R.	2,339,756	IMPAC GROUP, INC.	2,344,102
JEAN-BAPTISTE	2,343,602	GRASER, WOLFRAM	2,344,052	INNOTECH ENGINEERING,	
E. FLUSH TECH CO., LTD.	2,343,868	GREENFIELD RESEARCH		INC.	2,344,025
E.I. DU PONT DE NEMOURS		INCORPORATED	2,306,203	INOUE, RYOJI	2,343,853
AND COMPANY	2,334,420	GRETAG-MACBETH AG	2,340,560	INSTITUT FRANCAIS DU	
EADS AIRBUS SA	2,343,622	GRETER, SIMON	2,340,560	PETROLE	2,343,844
EASTCOTT, GARNET B.	2,306,061	GRIFFAY, GERARD	2,343,677	INSTITUT FRANCAIS DU	
EBERL, GEORG	2,343,490	GRIFFIN, JOHN ADAM	2,342,999	PETROLE	2,343,845
EBERLE, HARRY W., III	2,305,852	GROSS, JOAN	2,342,504	INSTITUT NATIONAL	
EISENBERGER, GERHARD	2,344,273	GRUNESS, HORST PAUL	2,344,273	D'OPTIQUE	2,306,097
ÉLECTRICITÉ DE FRANCE	2,343,677	GUMMI-JÄGER KG GMBH &		INTERNATIONAL BUSINESS	
ELFSTROM, CARITA MARIA	2,342,277	CIE	2,306,268	MACHINES	
ENSURG, INC.	2,343,704	GUNTHER, RALPH	2,313,304	CORPORATION	2,337,674
EPPINGER, OTTO RICHARD	2,343,633	GYSLER, CHRISTOF	2,334,103	INTERNATIONAL BUSINESS	
ESSENPREIS, MATTHIAS	2,344,017	HALL, DAVID C.	2,343,003	MACHINES	
F. HOFFMANN-LA ROCHE AG		HAMADA, ATSUSHI	2,344,133	CORPORATION	2,337,780
	2,342,277	HANSEN, MICHAEL V.	2,344,017	INTERNATIONAL GAME	
FABRIS, MARIO	2,306,361	HARTER, ISABELLE	2,343,844	TECHNOLOGY	2,343,870
FELSKE, INGRID	2,339,808	HARTER, ISABELLE	2,343,845	IRON SPA	2,343,904
FERAG AG	2,342,663	HASELOH, PETER GERALD	2,306,012	ISABELLE, ALAIN	2,305,861
FERGUSON, KENNETH		HAUDER, WALTER	2,344,273	ISHIDA, EIJI	2,344,080
WILLIAM	2,306,089	HAYASHI, SHIGERU	2,320,584	ISHINAGA, HIROYUKI	2,343,853
FEYRER, WOLFGANG	2,334,420	HAYES LEMMERZ		ISOBEDATE, YOSHIHIKO	2,323,403
FIALA, AARON	2,344,010	INTERNATIONAL, INC.	2,344,492	ISSINSKI, ANTON I.	2,305,038
FIFE, MERRILL E.	2,343,687	HEFFNER, STEVEN P.	2,314,725	ITW LIMITED	2,344,082
FLAG FIRE EQUIPMENT LTD.		HEGEMIER, TIMOTHY ALAN	2,343,849	IVOCLAR VIVADENT AG	2,344,130
	2,314,792	HEIDER, UDO	2,344,120	IVOCLAR VIVADENT AG	2,344,134
FLESCH, KEITH E.	2,314,580	HEIKKILA, RISTO	2,344,588	JACQUES, MARC	2,305,988
FLOWERS, ROBERT L.	2,344,102	HEINE, WILHELM	2,313,304	JAGER, ANDREAS	2,306,268
FORD GLOBAL		HELLEGOUARC'H, JEAN	2,343,677	JARVIS, BRIAN PETER	2,322,147
TECHNOLOGIES, INC.	2,344,010	HERR, DONALD E.	2,343,632	JDS UNIPHASE INC.	2,342,477
FRYK, BRUCE KEVIN	2,328,019	HEWITT, WILLIAM JAMES	2,305,912	JDS UNIPHASE INC.	2,344,021

## Index des demandes canadiennes mises à la disponibilité du public

14 octobre 2001 - 23 octobre 2001

JDS UNIPHASE INC.	2,344,582	LAM, HERBERT	2,324,042	MARSALA, JOSEPH	2,344,319
JDS UNIPHASE INC.	2,344,609	LAMOUREUX, NOEL	2,305,881	MARTIN, LOUIS	2,305,988
JELLEY, DAVID JOHN	2,322,147	LAMY, FRANCIS	2,340,560	MARTTILA, MAURI	2,344,035
JEN, HSING C.	2,343,527	LANGFORD, COOPER H.	2,306,237	MASTER MIND, CO., LTD.	2,320,584
JENKINS, MICHAEL D.	2,325,152	LANGFORD, COOPER H.	2,344,502	MATTIUS, LOU BRIAN	2,305,105
JOBERT, SEVERIN	2,343,602	LAPORTE, MARIO	2,305,861	MAU, KNUT	2,343,995
JONES, STEVEN PAUL	2,337,780	LARISCH, BELINDA	2,306,311	MAU, KNUT	2,344,612
JUNG, MANFRED	2,344,413	LAROIA, RAJIV	2,338,471	MAYRHOFER, HERBERT	2,344,004
JUNGBAUER, PETER	2,344,273	LAROIA, RAJIV	2,339,515	MCCORMICK, CHARLES	
JUNTHNER, KURT	2,344,085	LAUZON, JOCELYN	2,306,097	ALLEN	2,342,999
JUREK, RONALD LEE	2,341,843	LAVENDER, WILLIAM J.	2,332,207	MCGEER, ALLISON	2,304,123
KACZMARCZYK, EDWARD		LEE, ANDREW GEORGE	2,344,090	MCGEHEE, RONALD W.	2,309,359
TED	2,341,843	LEFEVRE, CHRISTOPHE	2,342,643	MCGILL UNIVERSITY	2,304,494
KAETHLER, HARRY	2,332,207	LEHMANN, THOMAS	2,344,499	MCGILL UNIVERSITY	2,344,005
KAHN, FRIEDHELM	2,344,273	LEREAUX, ALEXANDER		MCHUGH, MARCUS D.	2,343,902
KAHN, JOACHIM	2,344,273	ALBERT	2,343,913	MCLAUGHLIN, RONALD J.	2,341,332
KAMINSKI, WALTER JOSEPH		LI, JUNYI	2,338,471	MCLAUGHLIN, SHELDON	2,344,021
	2,337,701	LI, JUNYI	2,339,515	MCNAMARA, GEORGE	2,344,624
KAMINSKI, WALTER JOSEPH		LILLICO, DOUGLAS A.	2,306,016	MCNEIL-PPC, INC.	2,344,786
	2,337,714	LIN, CHIH-CHING	2,305,126	MEARS, ERIC L.	2,343,704
KANTAS, APOSTOLOS	2,344,502	LIN, CHIH-CHING	2,306,159	MECHEN, SIL VIA	2,344,413
KANTZAS, APOSTOLOS	2,306,237	LING, JOHNSON	2,343,869	MELANSON, DEAN B.	2,306,413
KATO, MAKOTO	2,342,590	LINGK, JOCHEN	2,342,526	MELOTTO, MAELI	2,344,770
KAUMARCE, PANAH	2,305,882	LINTEC CORPORATION	2,344,271	MERCHANT, CLARK	2,342,477
KEAST, LESLIE ALLAN	2,305,984	LOCHER, PHILIPPE GEORGES		MERCK PATENT	
KEEFER, BOWIE G.	2,306,311		2,344,758	GESELLSCHAFT MIT	
KELLY, JAMES D.	2,344,770	LOLLI, ANGELO ANTONIO	2,305,128	BESCHRANKTER	
KELLY, MAX	2,304,123	LOTZ, NATASCHA	2,344,120	HAFTUNG	2,344,120
KETCHMARK, PATRICK	2,306,424	LU, ZAI MING	2,305,481	MERO, TIMO	2,344,219
KIELLAND, PETER JOHANN	2,305,860	LUBAK, MICHAEL A.	2,344,800	MEYER, GEORGE	2,306,197
KIM, YOUNG WOO	2,310,964	LUCENT TECHNOLOGIES		MIKUTA, ANDRZEJ	2,305,859
KIMURA, NOBUTAKE	2,344,183	INC.	2,337,701	MILAZZO, MICHAEL C.	2,344,780
KINOSHITA, TAKASHI	2,344,133	LUCENT TECHNOLOGIES		MILLS, RAY G.	2,306,259
KITABATAKE, KENJI	2,343,853	INC.	2,337,714	MIMEAULT, YVAN	2,306,097
KITTRELL, JAMES R.	2,344,780	LUCENT TECHNOLOGIES		MINKENBERG, CYRIEL	2,337,674
KLEIN, BRUCE S.	2,342,948	INC.	2,338,471	MINTCHEV, MARTIN P.	2,327,640
KLIPOV, VLADIMIR A.	2,305,974	LUCENT TECHNOLOGIES		MITCHELL, RORY M.	2,309,359
KODAMA, TAKURO	2,344,080	INC.	2,338,615	MITEL KNOWLEDGE	
KODAMA, YOSHIKATSU	2,344,183	LUCENT TECHNOLOGIES		CORPORATION	2,341,821
KOJIMA, SHINKICHI	2,323,403	INC.	2,339,515	MITSUBISHI HEAVY	
KOKKO, ARI	2,344,219	LUCENT TECHNOLOGIES		INDUSTRIES, LTD.	2,326,885
KOLMES, NATHANIEL H.	2,343,668	INC.	2,339,756	MITSUBISHI HEAVY	
KOLSRUD, ARILD	2,337,701	LUCENT TECHNOLOGIES		INDUSTRIES, LTD.	2,344,137
KOLSRUD, ARILD	2,337,714	INC.	2,339,759	MITSUI KANKO TRADING	
KOMAROMY-HILLER,		LUIZZI, JOSEPH MICHAEL JR.		CORPORATION	2,344,598
GABOR	2,343,985		2,344,786	MOCHIZUKI, MUGA	2,343,853
KOONTZ, MICHAEL G.	2,306,152	LUOMAHARJU, TERO	2,344,219	MOEN INCORPORATED	2,342,999
KRETSCHMER, JOACHIM	2,344,758	MACRO ENGINEERING &		MOLLENAUER, LINN	
KREUZER, JUSTIN L.	2,338,479	TECHNOLOGY INC.	2,324,042	FREDERICK	2,339,756
KRONOTEC AG	2,343,583	MAGER, MICHAEL	2,343,626	MONETTE, FRANCOIS	2,306,304
KSE INC.	2,344,780	MAILLOUX, BERTHIER	2,305,988	MONETTE, FRANCOIS	2,321,009
KUAN, JENN-FONG	2,305,126	MAINVILLE, LUC	2,306,073	MONETTE, FRANCOIS	2,326,301
KUAN, JENN-FONG	2,306,159	MALCZEWSKI, MARK		MONEYLINE NETWORK, INC.	
KUBOTA, MASAHICO	2,343,853	LEONARD	2,344,326		2,317,332
KUDU INDUSTRIES INC.	2,306,259	MALM, HOWARD LEIGH	2,305,984	MOON, THOMAS A.	2,344,025
KUSHNIR, MARK	2,343,985	MAMYSHEV, PAVEL		MOORE, DELLA BONNELL	2,343,668
KVAERNER PULPING OY	2,344,219	VIKTOROVICH	2,339,756	MORMAN, GEORGE MARION	
L.B. PLASTICS LIMITED	2,338,402	MANDELIS, ANDREAS	2,305,477	JR.	2,343,668
L-3 COMMUNICATIONS		MANKE, GREGORY H.	2,343,902	MORRISSETTE, LOUIS	2,305,988
CORPORATION	2,343,687	MANSEAU, MICHAEL	2,314,725	MOSDAL, BRIAN THOMAS	2,322,576
L'AIR LIQUIDE, SOCIETE		MARCHESSAULT, ROBERT		MOSZNER, NORBERT	2,344,130
ANONYME POUR		H.	2,344,005	MOSZNER, NORBERT	2,344,134
L'ETUDE ET		MARCICHOW, MARTIN E.	2,343,003	MOTTA, MIRIAM	2,344,786
EXPLOITATION DES		MARICA, ADRIAN	2,306,413	MOUNT SINAI HOSPITAL	2,304,123
PROCEDES	2,344,424	MARK IV INDUSTRIES		MOURIK, NEPHI MARK	2,344,626
LALIBERTE, JACQUES	2,305,647	LIMITED	2,344,013	MULLER, PHILIPP	2,343,490



**Index of Canadian Laid-Open Applications**  
**October 14, 2001 - October 23, 2001**

MURDOCK, LINDA	2,305,159	OXFORD PROPERTIES		RAUWORTH, TIMOTHY A.	2,343,527
MURDOCK, RANDOLPH S.	2,305,159	GROUP INC.	2,305,912	RAYNAULD, ROGER	2,305,482
MUROI, KUNIMASA	2,344,794	OXFORD, DWAYNE	2,344,079	REEFDALE PROPRIETARY	
MYERS, THOMAS WILLIAM	2,342,277	OZIL, JOEL	2,344,256	LIMITED	2,343,633
NAGATA, SHOUICHI	2,344,137	PAOLONI, STEFANO	2,305,477	REM TECHNOLOGY INC.	2,305,984
NAKAE, KAZUAKI	2,342,590	PARKER, PAUL DAVID	2,322,576	RESEARCH INSTITUTE OF	
NAKAJIMA SUISAN CO., LTD.		PARROTTA, MICHAEL A.	2,344,102	PETROLEUM	
	2,311,205	PATEAU, OLIVIER	2,343,677	PROCESSING, SINOPEC	2,344,015
NAKATA, HIROMICHI	2,344,073	PATENT APPLIED		RHEINBERGER, VOLKER	2,344,130
NARIKIYO, KENJI	2,344,080	TECHNOLOGY	2,306,362	RHEINBERGER, VOLKER	2,344,134
NASR, NAGIB	2,342,999	PATENT-TREUHAND-		RIHA, GARY D.	2,344,025
NATIONAL RV HOLDINGS,		GESELLSCHAFT FUR		RISPLER, KEVIN	2,306,016
INC.	2,343,913	ELEKTRISCHE		ROBERTS, DAVID KEIR	2,341,821
NATIONAL STARCH AND		GLUEHLAMPEN MBH	2,344,052	ROBERTS, KIM B.	2,337,742
CHEMICAL		PAUL, STEPHANE	2,341,356	ROBERTS, MARK JULIAN	2,344,488
INVESTMENT HOLDING		PAYA, BERNARD	2,343,677	ROBERTSON, CHARLES L.	2,344,492
CORPORATION	2,343,632	PAYNE, DAVID ALAN	2,322,576	ROBINSON, RANDY S.	2,343,612
NEAU, YVES	2,343,677	PELIKAN PRODUKTIONS AG	2,344,758	ROBITAILLE, JEAN-PIERRE	2,304,738
NEC CORPORATION	2,343,619	PERELLI, THOMAS	2,343,829	ROCHE DIAGNOSTICS	
NEC CORPORATION	2,344,395	PERKINS, ERNEST H.	2,306,016	CORPORATION	2,344,017
NELSON, ERIC JOHN	2,337,780	PERRET, MICHEL	2,344,256	ROCHE DIAGNOSTICS GMBH	
NEUMANN, HORST	2,305,159	PETERSON, ZANE R.	2,344,102		2,344,017
NEUSCHUTZ, MARK	2,344,120	PETTY, JEFFREY	2,344,010	ROCHEM RO-	
NEW FLYER INDUSTRIES		PFIZER PRODUCTS INC.	2,344,090	WASSERBEHANDLUNG	
LIMITED	2,306,413	PHILLIPS, RICHIE DARNELL	2,343,668	GMBH	2,313,304
NEWMAN, EDWARD G.	2,325,152	PHOTO THERAPEUTICS LTD.	2,343,684	RODRIGUEZ, MARIO	2,305,477
NEXANS	2,343,841	PHOTO THERAPEUTICS LTD.	2,343,843	ROEHR, PHILIPPE	2,343,677
NG, LARRY	2,317,332	PHOTOSCIENCE JAPAN		ROGERS, TOMMY D.	2,344,079
NGUYEN, TU CAM	2,344,101	CORPORATION	2,306,546	ROLLS-ROYCE	
NGUYEN, TU CAM	2,344,106	PIERLUIGI, DALLA PACE	2,343,904	DEUTSCHLAND LTD &	
NICOLAIDES, LENA	2,305,477	PIERRET, RENE	2,343,677	CO KG	2,344,128
NIEDERBERGER, PETER	2,334,103	PILDNER, REINHART KARL	2,305,982	ROUGH BROTHERS, INC.	2,325,189
NIEMI, HARRI	2,344,035	PIQUETTE, JAMES ROBERT	2,306,329	ROULEAU, YVES	2,306,097
NIEN MADE ENTERPRISE		PITTSWAY CORPORATION	2,338,951	ROWLES, HOWARD	
CO., LTD.	2,305,126	PITTSWAY CORPORATION	2,343,527	CHARLES	2,344,488
NIEN MADE ENTERPRISE		PLANETA, MIREK	2,324,042	ROY, MARTIN	2,305,988
CO., LTD.	2,306,159	PLASTICS INDUSTRY		ROYAL CAPITAL STAMPING	
NISHIDA, MAKI	2,343,853	DEVELOPMENT CENTER		AND TOOLING LTD.	2,306,197
NISSHIN FLOUR MILLING			2,305,126	ROYER, ANTHONY SCOTT	2,322,576
CO., LTD.	2,344,183	PLASTICS INDUSTRY		RUBBERMAID	
NITTO DENKO		DEVELOPMENT CENTER		COMMERCIAL	
CORPORATION	2,344,133		2,306,159	PRODUCTS LLC	2,343,829
NONOYAMA, FUMIO	2,344,073	PLUSTECH OY	2,344,035	RUMPHORST, ANDRE	2,344,134
NOONAN, JAMES THOMAS	2,322,576	PMC-SIERRA, INC.	2,306,089	RYAN, DOMINIC H.	2,344,005
NORTEL NETWORKS		POCHLAUER, PETER	2,344,004	SAITO, ICHIRO	2,343,853
LIMITED	2,337,742	POTTER, TIMOTHY	2,344,010	SAKIURA, TOSHIYUKI	2,311,205
NOZATO, KIYOSHI	2,344,798	PRAXAIR TECHNOLOGY,		SANKYO COMPANY	
NTT ADVANCED		INC.	2,344,101	LIMITED	2,342,397
TECHNOLOGY		PRAXAIR TECHNOLOGY,		SANTAVICCA, PIETRO N.	2,325,189
CORPORATION	2,338,409	INC.	2,344,106	SANTOSUOSSO, JOHN	
NV BEHOKO	2,342,643	PRAXAIR TECHNOLOGY,		MATTHEW	2,337,780
O'DONNELL, PAT	2,344,122	INC.	2,344,326	SANYO ELECTRIC CO., LTD.	2,342,590
OETTINGER, OSWIN	2,344,413	PREISINGER, JOHANN	2,344,273	SARCANIN, BRANKO	2,305,249
OKAMURA YUGEN GAISHA	2,306,070	PREISINGER, JOHANN	2,344,287	SAWYER RESEARCH	
OKAMURA, TOSHIO	2,306,070	PRITCHARD, ERIC	2,343,668	PRODUCTS, INC.	2,305,974
OLIVER, STEVEN DAVID	2,344,609	PRODUCTION CONTROL		SCHLUMBERGER CANADA	
OLK, M. JOSEPH	2,306,152	UNITS, INC.	2,343,612	LIMITED	2,322,147
ONO, CHIHO	2,342,397	PROFFITT, ANDREW	2,344,082	SCHLUMBERGER CANADA	
OSTERRIED, JOSEF	2,344,052	PROGRESSIVE TOOL &		LIMITED	2,343,902
OSWALD, HOWARD A.	2,343,902	INDUSTRIES CO.	2,342,446	SCHMUCKI, PETER	2,335,197
OVERHEAD DOOR		QUATTRINI, PAUL J.	2,344,624	SCHNEIDER, KLAUS	2,342,526
CORPORATION	2,307,260	QUATTROCCHI, RICHARD A.	2,343,988	SCHOLL, JURGEN	2,344,630
OVERHEAD DOOR		QUEST AIR GASES INC.	2,306,311	SCHONBRUNNER, NANCY	
CORPORATION	2,343,682	RAJENDRA, ANSLEM J.	2,306,169	JENEANE	2,342,277
OWENS-BROCKWAY GLASS		RAMSEIER, MARCEL	2,342,663	SCHROTER, KLAUS	2,344,273
CONTAINER INC.	2,344,091	RANGAN, SUNDEEP	2,338,471	SEGUELA, PHILIPPE	2,304,494

## Index des demandes canadiennes mises à la disponibilité du public

14 octobre 2001 - 23 octobre 2001

SELLARS, BRIAN G.	2,306,311	TAGER, ALEX	2,342,477	VEIGA, VIRNA	2,344,005
SENN, THOMAS	2,340,560	TAKANO, MASATOSHI	2,344,080	VESER, ALWIN	2,344,052
SGL CARBON AG	2,344,413	TAKASE, KIICHI	2,344,024	VIGOR, XAVIER	2,344,424
SHAW, IAN	2,306,311	TAKAYAMA, HIMIKO	2,344,490	VISWANATH, PRAMOD	2,338,471
SHEN, HSIAO-FU	2,305,126	TAMBE, ATUL	2,344,295	VOITH PAPER PATENT	
SHENOI, KISHAN	2,344,295	TAMBER, HARINDER	2,324,042	GBH	2,344,122
SHI, FENG	2,344,015	TANAKA, HIROAKI	2,343,602	VON BALLMOOS, MARIO	2,335,197
SHIRAI, FUMIYA	2,344,133	TANAKA, TOMOKA	2,344,137	WABASH TECHNOLOGY	
SHUSHAN, BORI	2,343,985	TANI PLANNING CO, LTD.	2,344,598	CORPORATION	2,340,575
SIEB, ERIK	2,305,976	TANI, TAKAYUKI	2,344,598	WABASH TECHNOLOGY	
SIEBER, ROLAND	2,342,504	TDK CORPORATION	2,344,011	CORPORATION	2,341,799
SIEMENS BUILDING		TERRIER, DANIEL L.	2,344,013	WACKE, ROBERT S.	2,344,091
TECHNOLOGIES, INC.	2,331,667	THE ESSUMUELLER		WACKER-CHEMIE GMBH	2,343,490
SIPRA		COMPANY, INC.	2,340,564	WALL, PIERRE D.	2,344,021
PATENTENTWICKLUNG		THE PULLMAN COMPANY	2,341,332	WANG, ALICE MING	2,342,277
S- UND		THERMAL FORM &		WANG, DEMAO	2,306,546
BETEILIGUNGSGESELLS		FUNCTION LLC	2,344,319	WANG, JIN	2,344,015
CHAFT MBH	2,344,085	THOM, ARND	2,343,347	WARCHOCKI, DAVID	2,344,624
SKF GMBH	2,344,289	THOMPSON, DAVID DUANE	2,344,090	WATANABE, TETSUO	2,344,133
SKF GMBH	2,344,630	THRELFALL, ROBERT		WATKINSON, LARRY JAMES	2,304,921
SLATER, JAMES S.	2,343,527	GORDEN	2,331,667	WATTS, GERALD D.	2,331,195
SLOAN VALVE COMPANY	2,343,003	THRONE, JASON T.	2,344,617	WEIMER, THOMAS	2,342,482
SMITH INTERNATIONAL,		TIERNAY, ROBERT WALTER	2,344,013	WEISBECKER, RAINER	2,344,123
INC.	2,344,626	TILLQUIST, JOHN J.	2,306,521	WESTINGHOUSE AIR BRAKE	
SMITH, EDWARD SOH	2,342,277	TOCHER, JOHN WILLIAM	2,326,241	TECHNOLOGIES	
SMITH, JEFFERY M.	2,344,800	TODA, KOJI	2,344,794	CORPORATION	2,314,725
SMITH, STEPHEN PHILIP	2,305,912	TOYAMA, YAYOI	2,344,783	WESTVACO CORPORATION	2,344,020
SMITH, WILLIAM DAVIS JR.	2,342,999	TOYOTA JIDOSHA		WHIPP, RENNY CARL	2,343,345
SNIDER, JEFFERY	2,305,834	KABUSHIKI KAISHA	2,344,073	WHITE, ALYSIA CANSON	2,344,626
SOCIETE DES PRODUITS		TOYOTA JIDOSHA		WHITEHURST, COLIN	2,343,684
NESTLE S.A.	2,334,103	KABUSHIKI KAISHA	2,344,080	WHITEHURST, COLIN	2,343,843
SOCIETE DES PRODUITS		TRAN, MICHAEL Q.	2,335,263	WHITLEY, L. BLAKE	2,343,682
NESTLE S.A.	2,342,526	TRANSGENE S.A.	2,341,356	WIERSCHKE, JEFFREY A.	2,344,081
SONTHEIMER, RUDIGER	2,344,630	TRZECIESKI, MIKE	2,342,477	WILLAUER, DARRIN L.	2,344,729
SOTIRAKOS, BILL	2,306,546	TSAI, YI TSUNG	2,343,868	WILLEY, BARBARA M.	2,304,123
SOTIRAKOS, BILL	2,306,546	TSC COMPANY LTD.	2,332,207	WILLFORD, PETER	2,344,237
SPENCER, JOSEPH C.	2,341,800	TSUBOUCHI, TAKAO	2,344,783	WILLS, GONZALO	2,344,021
SPICER, DEAN SHELDON	2,344,021	TYCHSEN, DETLEF	2,343,583	WILSON GREATBATCH LTD.	2,344,624
SRINIVASAN-RAO, TRIVENI	2,342,567	UEKI, MARIKO	2,344,783	WINCHUR, MATTHEW	
STAMBACK, MARK ALLEN	2,343,849	UMEHARA, KATSUMI	2,344,490	JAMES	2,343,644
STANRAIL CORPORATION	2,342,694	UNIPORT CORPORATION	2,305,038	WINDISCH, ROLAND ALOIS	2,305,912
STAROSUD, ALEX	2,306,237	UNITED ROTARY BRUSH		WINKLER, JOHANN	2,344,273
STAROSUD, ALEX	2,344,502	CORPORATION	2,343,616	WISCONSIN ALUMNI	
STEED, WILLIAM G.	2,306,362	UNIVERSITY		RESEARCH	
STEINER, EDWARD F.	2,344,424	TECHNOLOGIES		FOUNDATION	2,342,948
STEMEN, RANDY S.	2,343,612	INTERNATIONAL INC.	2,327,640	WOMELSDORF, HERMANN-	
STEMPKA, RAYMOND PAUL	2,344,800	UNIVERSITY		JENS	2,343,626
STENNER, PATRIK	2,344,499	TECHNOLOGIES		WONG, KENNETH KAI	2,344,101
STIKA, PETER	2,344,273	INTERNATIONAL INC.	2,344,502	WONG, KENNETH KAI	2,344,106
STIKA, PETER	2,344,287	UPPALA, SATHYADEV		WRIGHT, JERARD GEORGE	2,305,878
STRANZL, HELEN	2,303,417	VENKATA	2,339,515	WU, JINHUANG	2,335,263
STRITTMATTER, MARC	2,343,841	URING, JEAN-CAMILLE	2,343,677	WU, PAUL	2,343,869
STURGIN, TODD	2,344,096	USINOR	2,343,677	WU, YI-FAN	2,305,126
SUE, JIJIN ALBERT	2,344,626	USUI, YUUI	2,343,619	WU, YI-FAN	2,306,159
SUGAI, EIICHI	2,338,409	VAN BUSKIRK, RICHARD	2,344,729	WUTHRICH, MARCEL	2,342,948
SUGAI, KATSUO	2,323,403	VAN HOOL, NAAMLOZE		WYSOCKI, EDWARD H.	2,305,909
SUGAMA, SAKAYUKI	2,343,853	VENNOOTSCHAP	2,344,581	XYBERNAUT CORPORATION	
SUGITA, ETSUJI	2,338,409	VASH, KATHLEEN M.	2,344,800		2,325,152
SUNATORI, GO SIMON	2,305,110	VAUGHN, BENNIE JOE	2,341,843	YAGUCHI, TOSHIO	2,323,403
SUPREME ELASTIC		VAW MANDL & BERGER		YAMAGUCHI, TAKAAKI	2,343,853
CORPORATION	2,343,668	GBH	2,344,237	YAMAHA CORPORATION	2,344,794
SUZUKI, FUMIO	2,344,024	VAW MANDL & BERGER		YAMAKAWA, RYUJI	2,323,403
SUZUKI, KENICHI	2,344,073	GBH	2,344,273	YANAGIUCHI, KATSUYUKI	2,344,271
SVG LITHOGRAPHY		VAW MANDL & BERGER		YANG, BING LIN	2,344,076
SYSTEMS, INC.	2,338,479	GBH	2,344,287	YANO, YOSHIHIKO	2,344,011
SWISZCZ, PAUL	2,344,617	VEGTER, HINDERIKUS A.	2,343,616	YAO, LI-HO	2,303,565
SYMMETRICOM, INC.	2,344,295				

**Index of Canadian Laid-Open Applications  
October 14, 2001 - October 23, 2001**

YODER, DANIEL	2,306,433
YOKOI, MASAYOSHI	2,344,073
YOSHIDA, KOJI	2,338,409
YOSHIKAWA, HIROJI	2,342,397
YOSHIMURA, JOJI	2,344,073
YU, HENRY	2,306,671
YU, LUKE Y.	2,306,671
YUAN, JAMES T.C.	2,344,424
ZAKRZEWSKI, HENRY	2,306,356
ZERAFATI, SAEID	2,335,263
ZEUNER, FRANK	2,344,130
ZEUNER, FRANK	2,344,134
ZHANG, LANXIN	2,344,015
ZHAO, RENDIAN	2,344,015
ZHAO, ZHIHAI	2,344,015
ZIP CHARGE CORPORATION	2,344,024

# Index of PCT Applications Entering the National Phase

## Index des demandes PCT entrant en phase nationale

500 GROUP, INC.	2,358,117	BJORCK, LARS	2,357,996	COMPUTER ASSOCIATES	
ACOSTA ESQUIJAROSA, JHOANY	2,358,013	BLATTER, HERBERT M.	2,357,977	THINK, INC.	2,358,126
ACTINOVA LIMITED	2,357,996	BLOWER, PAUL E., JR.	2,357,823	COMPUTER ASSOCIATES	
ADAMIS, ANTHONY P.	2,357,873	BOSTON SCIENTIFIC LIMITED	2,358,105	THINK, INC.	2,358,162
ADAMIS, ANTHONY P.	2,358,296	BOSY, BRIAN J.	2,357,976	CONNAUGHT LABORATORIES	2,358,022
ADVANCED RESEARCH AND TECHNOLOGY INSTITUTE, INC.	2,358,094	BOZAK, JOHN A.	2,358,117	CONOVER, KURT M.	2,358,196
AFZAL, THOMAS A.	2,358,053	BRADER, MARK LAURENCE	2,358,107	COPELAND, RICHARD L.	2,358,163
AGUERO AGUERO, JUAN	2,358,013	BRIDGESTONE CORPORATION	2,357,933	CORWIN, RUSSELL V.	2,358,112
ALCATEL	2,357,829	BRUGGER, JAMES M.	2,358,080	CORWIN, WILLIAM R.	2,358,191
ALCOA INC.	2,358,070	BRUYERE, FRANCK	2,357,829	CRAFT, TRELIA JOYCE	2,358,091
ALLIEDSIGNAL INC.	2,358,033	BRYSON, MICHAEL L.	2,358,055	CRAFT, TRELIA JOYCE	2,358,095
ALPERT, ANDREW J.	2,358,285	BUCHNER, PETER	2,358,257	CRUCCELL HOLLAND B.V.	2,358,014
ALSUS CORPORATIN	2,357,914	BURBANK, JEFFREY H.	2,358,080	CYCLVISION	
ALUMINIUM PECHINEY	2,358,101	BURNS, CHRISTOPHER	2,358,047	TECHNOLOGIES, INC.	2,358,220
AMARO GONZALEZ, DANIEL	2,358,013	BUSCHER, PHILIPP	2,358,060	DAHIYAT, BASSIL	2,357,811
AMAXA GMBH	2,358,040	CABUZ, CLEOPATRA	2,358,115	DAKSIS, JASMINE I.	2,358,065
AMERICAN HOME PRODUCTS CORPORATION	2,358,093	CALIFORNIA INSTITUTE OF TECHNOLOGY	2,358,119	DALE, RODERIC M. K.	2,357,950
AMOUYAL, MICHELE	2,357,830	CAMACHO, JUAN	2,357,880	DALE, RODERIC M. K.	2,357,986
ARCHITECTURE, TRAITEMENT D'IMAGES ET SIMULATION	2,357,871	CANTRELL, PAUL	2,358,162	DANKULICH, WILLIAM P.	2,358,047
ARROW, AMY	2,357,950	CAO, XIANG-DONG	2,358,185	DE LA RUE INTERNATIONAL LIMITED	2,358,109
ARROW, AMY	2,357,986	CAPOTE HERNANDEZ, RAUL	2,358,013	DE NORA, VITTORIO	2,358,103
ASAHI KASEI KABUSHIKI KAISHA	2,358,118	CARDIOVENTION, INC.	2,358,053	DEBOISE, MICKAEL	2,358,313
ASBELL, DAVID	2,358,110	CARDIOVENTION, INC.	2,358,066	DECKERS, ANDREAS	2,358,099
ASHKINAZI, RIMMA ILIINICHNA	2,357,803	CARL FREUDENBERG	2,357,868	DERVAN, PETER B.	2,358,119
ASTRAZENECA AB	2,351,004	CASE CORPORATION	2,358,112	DETRY, JAMES F.	2,358,200
AURIAULT, CLAUDE	2,358,102	CENTRE NATIONAL DE LA RECHERCHE		DICARLO, PAUL	2,358,105
AVENTIS CROPSCIENCE S.A.	2,358,116	SCIENTIFIQUE - CNRS	2,358,092	DIEBOLD, BERND	2,358,097
AVENTIS PHARMA DEUTSCHLAND GMBH	2,357,837	CENTRE NATIONAL DE LA RECHERCHE		DILLMANN, PETER	2,358,097
AVENTIS PHARMACEUTICALS PRODUCTS INC.	2,358,047	SCIENTIFIQUE (CNRS)	2,357,830	DOW CORNING CORPORATION	2,358,316
BAIRD, ELDON E.	2,358,119	CENTRE NATIONAL DE LA RECHERCHE		DRESSEN, DARREN B.	2,358,093
BALLARD POWER SYSTEMS INC.	2,357,928	SCIENTIFIQUE (CNRS)	2,358,102	DUERI, JEAN-PIERRE	2,358,053
BARKALOW, DAVID G.	2,357,923	CENTRO DE QUIMICA		DUNNE, BRUCE E.	2,358,203
BARTEL, PAUL L.	2,358,086	FARMACEUTICA	2,358,013	DWARKI, VARAVANI	2,358,094
BARTLETT, KEITH R.	2,357,840	CHANDRAN, RAVI	2,358,203	EASTER, RONALD B.	2,358,167
BASF AKTIENGESELLSCHAFT	2,358,097	CHANDRASEKARAN, V.		EISU INNOVATIVE GESELLSCHAFT FUR TECHNIK UND UMWELTSCHUTZ MBH	2,357,880
BASF AKTIENGESELLSCHAFT	2,358,099	CHANDRU	2,358,105	ELAN PHARMACEUTICALS, INC.	2,358,093
BAYER CORPORATION	2,358,090	CHENVAINU, ALEXANDER T.	2,357,976	ELGERSMA, MICHAEL R.	2,358,115
BBA NONWOVENS SIMPSONVILLE, INC.	2,358,248	CHERNY, IGOR	2,358,126	ELI LILLY AND COMPANY	2,358,091
BEIGHT, DOUGLAS WADE	2,358,091	CHILDREN'S MEDICAL CENTER CORPORATION	2,357,873	ELI LILLY AND COMPANY	2,358,095
BEIGHT, DOUGLAS WADE	2,358,095	CHRISTINE, RAINER	2,358,040	ELI LILLY AND COMPANY	2,358,107
BENCO, JOHN S.	2,358,090	CLARK, TIMOTHY S.	2,358,231	ELK CORPORATION OF DALLAS	2,358,055
BERNDT, DALE F.	2,358,200	CLAVIS BIOPROPULSION AS	2,358,214	EMBREX, INC.	2,358,208
BEYLAT, JEAN-LUC	2,357,829	CLINE, DAVID J.	2,358,231	ENGLE, MICHAEL R.	2,358,231
BIOURGE, VINCENT	2,358,313	COLE, BARRETT E.	2,358,233	ERIKSON, GLEN H.	2,358,065
BISSON, ARNAUD	2,357,829	COMMERCIAL VEHICLE SYSTEMS INC.	2,358,317	ETHICON, INC.	2,357,838
		COMPUTER ASSOCIATES THINK, INC.	2,358,096	ETHICON, INC.	2,357,843
		COMPUTER ASSOCIATES THINK, INC.	2,358,108	EVANS, JOHN RAYMOND	2,351,004
		COMPUTER ASSOCIATES THINK, INC.	2,358,110	FARHANGNIA, MEHRDAD	2,358,066
				FILIPPI, FILIPPO	2,358,190
				FINCH, C. DAVID	2,358,080

## Index of PCT Applications Entering the National Phase

FINOT, LUC GERARD	2,358,024	HOURDET, DOMINIQUE	2,358,092	LOPES DA CUNHA, SEBASTIAO	
FLIGHT, BRUCE W.	2,358,105	HUFFER, STEPHAN	2,358,097	WALTER JR.	2,358,316
FLUID RESEARCH		HUFFER, STEPHAN	2,358,099	LUO, PEIZHI	2,357,811
CORPORATION	2,358,231	HURTTA, TUJJA	2,358,194	LUSSO, PAOLO	2,351,740
FONDAZIONE CENTRO SAN		HUSSMANN CORPORATION	2,358,297	MAH, CATHRYN	2,358,094
RAFFAELE DEL MONTE		IMAMURA, YOSHIMASA	2,357,874	MAITIN, STEVEN R.	2,358,163
TABOR	2,351,740	INGENEUS CORP.	2,358,065	MAITIN, STEVEN R.	2,358,167
FORSKARPATENT I UPPSALA		INSTITUT CURIE	2,358,092	MAKAREWICZ, ANTHONY	2,358,053
AB	2,358,205	INSTITUT PASTEUR DE LILLE	2,358,102	MAKELA, TERO	2,358,194
FRANCISKOVICH, JEFFRY		ISHERWOOD, ROLAND	2,358,109	MALNATI, MAURO	2,351,740
BERNARD	2,358,091	ITO, SEISHI	2,357,867	MANN, CHARLES WILLIAM	2,358,093
FRANCISKOVICH, JEFFRY		JACKSON, MICHAEL R.	2,358,191	MARCHOK, DANIEL J.	2,358,203
BERNARD	2,358,095	JACOBS, PAUL	2,357,838	MARK, ROMANO	2,358,060
FRANKE, AXEL	2,358,097	JACOBS, PAUL	2,357,843	MARNETT, LAWRENCE J.	2,358,241
FRAZIER, JAMES A., JR.	2,358,182	JACOBSEN, TOM	2,357,875	MARNETT, LAWRENCE J.	2,358,289
FUDGE, CHESTER M.	2,358,117	JANULCZYK, ROBERT	2,357,996	MARTINEZ SANCHEZ,	
FUJISAWA PHARMACEUTICAL		JENKINS, ROBERT F.	2,357,840	GREGORIO	2,358,013
CO., LTD.	2,357,874	JENSSEN, LARS	2,357,875	MASSACHUSETTS EYE AND	
FUKAMI, HARUKAZU	2,358,314	JOHNSON, WAYNE P.	2,357,823	EAR INFIRMARY	2,358,296
GALLAGHER, TIMOTHY F.	2,358,047	JONGSMA, KENNETH R.	2,358,182	MASTERS, JOHN JOSEPH	2,358,091
GARCIA PULPEIRO, OSCAR	2,358,013	JOSEPH, SAJAN	2,358,091	MASTERS, JOHN JOSEPH	2,358,095
GARCIGA HERNANDEZ,		JOSEPH, SAJAN	2,358,095	MATHUR, ASHISH	2,358,248
MARIA ROSA	2,358,013	KAESEMEYER, WAYNE E.	2,358,212	MATSON, KENNETH D.	2,358,108
GARRIDO GARRIDO, GABINO	2,358,013	KAHN, DONALD R.	2,357,977	MATSON, KENNETH D.	2,358,110
GATTON, STEVEN L.	2,357,986	KALGUTKAR, AMIT S.	2,358,241	MATSON, KENNETH D.	2,358,162
GEORGIA-PACIFIC FRANCE	2,357,832	KALGUTKAR, AMIT S.	2,358,289	MCDEVITT, CHRISTOPHER J.	2,358,108
GIBB, PETER R.	2,357,928	KALISZEK, ANDREW W.	2,358,072	MCGARRY, DANIEL G.	2,358,047
GLASS, DAVID SAUL	2,358,133	KALISZEK, ANDREW W.	2,358,121	MCMASTER, RONALD P.	2,358,022
GOODSON, THEODORE JUNIOR		KALISZEK, ANDREW W.	2,358,122	MEDHAT, KHALID MOHAMED	2,358,098
	2,358,091	KALLIOKULJU, JUHA	2,358,194	MENDEL, DAVID	2,358,091
GOODSON, THEODORE JUNIOR		KELETY, BELA	2,357,837	MENDEL, DAVID	2,358,095
	2,358,095	KIHK, MATTI	2,358,055	METSO PAPER, INC.	2,358,079
GORDON, STEPHEN P.	2,358,231	KINN, LARRY L.	2,358,248	MIKLOS, KODOBOR	2,358,190
GOTO, TOSHIO	2,357,867	KLIMESCH, ROGER	2,358,099	MILLER, JOAN W.	2,358,296
GRAGODAS, EVANGELOS S.	2,358,296	KLIMKOWSKI, VALENTINE		MILOT, GUY	2,358,091
GRAS-MASSE, HELENE	2,358,102	JOSEPH	2,358,091	MILOT, GUY	2,358,095
GREMINGER, MICHAEL	2,358,199	KLIMKOWSKI, VALENTINE		MINNEAR, WILLIAM P.	2,358,270
GRIMM, HANS-JORG	2,357,868	JOSEPH	2,358,095	MIODUSHEVSKY, PAVEL V.	2,357,872
GROITZSCH, DIETER	2,357,868	KOREIN, JAMES	2,358,220	MIRKIN, CHAD A.	2,358,215
GROOTERS, RONALD K.	2,358,276	KREFT, ANTHONY	2,358,093	MITSUBISHI RAYON CO., LTD.	2,358,123
GRUNDY, ROSALIND URSULA	2,351,004	KROUWER, JAN S.	2,358,090	MOLTECH INVENT S.A.	2,358,103
GRYPHON SCIENCES	2,351,739	KRUTIKOV, VIKTOR		MORALES LACARRERE, IVAN	
GUERN, YVES	2,357,871	IOSIFOVICH	2,357,803	GASTON	2,358,013
GUILFORD		KUBRAK, DENNIS	2,358,093	MORALES, MIGUEL	2,358,013
PHARMACEUTICALS INC.	2,358,315	KUIPER, HENDRICK K.	2,358,080	MORAN, JOHN E.	2,358,080
HAISSIG, CHRISTINE M.	2,358,191	KUMAGAI, SHO	2,357,933	MUELLER-STEINHAGEN, HANS	
HALL, STEVEN EDWARD	2,358,091	KYLE, JEFFREY ALAN	2,358,091		2,358,097
HALL, STEVEN EDWARD	2,358,095	LACAMERA, ALFRED F.	2,358,070	MYATT, GLENN J.	2,357,823
HAM, SOOHYUN	2,358,117	LAINÉ, JEFFREY A.	2,358,104	MYRIAD GENETICS, INC.	2,358,086
HANSEN, JONATHAN	2,358,094	LANG, HANS-JOCHEN	2,357,837	NAYAR, SHREE	2,358,220
HEBRANK, JOHN H.	2,358,208	LANGE, CHARLES H.	2,358,122	NETCENTREX	2,357,896
HEINRICH, PETER	2,358,068	LANGE, ECKEHARD	2,357,880	NETCENTREX	2,357,909
HENNING, GREGORY NEIL	2,358,248	LASKOSKIE, CLARENCE E.	2,358,072	NEYA, MASAHIRO	2,357,874
HERRON, DAVID KENT	2,358,091	LAURENT, PIERRE	2,357,832	NIHON BAYER AGROCHEM	
HERRON, DAVID KENT	2,358,095	LAVIETES, DANIEL	2,358,055	K.K.	2,357,867
HERSENT, OLIVIER	2,357,896	LEADSCOPE, INC.	2,357,823	NISSINEN, VILHO	2,358,079
HERSENT, OLIVIER	2,357,909	LEIV EIRIKSSON NYFOTEK AS	2,357,875	NITROSYSTEMS, INC.	2,358,212
HIGASHI, ROBERT E.	2,358,233	LERCH, GOTZ	2,358,099	NODA, WAYNE A.	2,357,914
HILLE, HARTMUT	2,358,068	LEROY, MICHEL	2,358,101	NOIRIE, LUDOVIC	2,357,829
HONEYWELL INC.	2,358,072	LEYNOV, ALEX	2,358,053	NOKIA NETWORKS OY	2,358,194
HONEYWELL INC.	2,358,115	LEYNOV, ALEX	2,358,066	NORTHWESTERN UNIVERSITY	2,358,215
HONEYWELL INC.	2,358,121	LI, JIA-HE	2,358,315	NUNEZ SELLES, ALBERTO	
HONEYWELL INC.	2,358,122	LIN, SZU-MIN	2,357,838	JULIO	2,358,013
HONEYWELL INC.	2,358,182	LIN, SZU-MIN	2,357,843	OHNSTEIN, THOMAS R.	2,358,115
HONEYWELL INC.	2,358,191	LINZ, WOLFGANG	2,357,837	OKITA, AKIMITSU	2,358,123
HONEYWELL INC.	2,358,196	LITTMANN, DIETER	2,358,099	OLIGOS ETC. INC.	2,357,950
HONEYWELL INC.	2,358,200	LOCATELLI, GIUSEPPE	2,351,740	OLIGOS ETC. INC.	2,357,986
HONEYWELL INC.	2,358,233	LOCK, TIMOTHY HARVE	2,358,055	OLIVO, PAUL D.	2,358,049
HONG, SEUNGHUM	2,358,215	LODATO, FRANCO	2,357,976	OTREMBIA, WERNER	2,358,068
HOSOI, KUMI	2,357,874	LOEFFLER, JOSEPH	2,358,066		

## Index des demandes PCT entrant en phase nationale

PAEZ BETANCOURT, ELEUTERIO	2,358,013	SERDYUK, LARISA E.	2,358,315	UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY	2,358,069
PAGE, J. DENNIS	2,358,292	SERGHERAERT, RENAUD	2,358,313	URATA, HIDENORI	2,358,314
PAPPAS, DAVID L.	2,357,976	SETOI, HIROYUKI	2,357,874	VAHAKUOPUS, MIKA	2,358,079
PAUL D. FRANKE	2,358,189	SHANNON, JOHN H.	2,358,121	VAN ZONNEVELD, ANTON JAN	2,358,014
PECZALSKI, ANDRZEJ	2,358,200	SHAPIRO, DORON	2,358,297	VANCAMP, DANIEL	2,358,105
PEKAR, ALLEN HOWARD	2,358,107	SHELL INTERNATIONALE RESEARCH		VANDERBILT UNIVERSITY	2,358,241
PELTA, ISABELLE	2,358,116	MAATSCHAPPIJ B.V.	2,358,071	VANDERBILT UNIVERSITY	2,358,289
PERI, VENKATA	2,358,220	SHUMAN, ROBERT THEODORE	2,358,091	VASCA, INC.	2,358,080
PHONAK AG	2,358,199	SHUMAN, ROBERT THEODORE	2,358,095	VERLINDEN, STEFAN	
PHYSICAL OPTICS CORPORATION	2,358,104	SIEBENKOTTEN, GREGOR	2,358,040	FREDERIK FRANCISCUS	2,358,014
PIESCHEL, FRIEDEMANN	2,357,880	SIEMENS		VINCENT, JOHN K.	2,358,096
PINEIRO-NUNEZ, MARTA MARIA	2,358,091	AKTIENGESELLSCHAFT	2,358,257	VINCENT, JOHN K.	2,358,126
PINEIRO-NUNEZ, MARTA MARIA	2,358,095	SIMS, STEVEN C.	2,358,064	VIOVY, JEAN-LOUIS	2,358,092
PINER, RICHARD	2,358,215	SKIELLER, CHRISTIAN	2,358,066	VOLZ, FRANCIS A.	2,358,047
PIPER, JAMES R.	2,357,977	SKOWRONSKI, MARK	2,358,033	VON HELMOLT, RITTMAR	2,358,257
PIPLANI, ALEC A.	2,358,053	SLUMBERLAND FRANCE	2,358,024	VRAY, MICHEL JEAN-PAUL	2,358,024
PIPLANI, ALEC A.	2,358,066	SMITH, GERALD FLOYD	2,358,091	W.R. GRACE & CO.	2,357,840
PLEISS, MICHAEL A.	2,358,093	SMITH, GERALD FLOYD	2,358,095	WAGNER, EDWARD L.	2,358,112
POHLMANN, WILLIAM N.	2,358,110	SMS SCHLOEMANN-SIEMAG AKTIENGESELLSCHAFT	2,358,068	WANG, JENN-HANN	2,357,838
POHLMANN, WILLIAM N.	2,358,162	SNYDER, SCOTT L.	2,358,191	WANG, JENN-HANN	2,357,843
PORTILLA, GUSTAVO	2,358,140	SOUTHERN RESEARCH INSTITUTE	2,357,977	WANG, JOHN H.	2,358,080
POTTS, GREG	2,358,053	SPRINT COMMUNICATIONS COMPANY, L.P.	2,358,098	WAPPLING, ROGER	2,358,205
POTTS, GREG	2,358,066	SRIVASTAVA, ARUN	2,358,094	WASHINGTON UNIVERSITY	2,358,049
POWERCO S.P.A.	2,357,872	STACK, GARY PAUL	2,358,093	WATANABE, YUKIYOSHI	2,357,867
PUUSKARI, MIKKO	2,358,194	STARKE, DONALD A.	2,357,840	WEBER, WILHELM	2,358,099
QING, KEYUN	2,358,094	STRIEDNIG, JOHN A.	2,357,840	WEIR, LEONARD CRAYTON	2,358,091
QTERA CORPORATION	2,358,185	STRONCZEK, STEVEN J.	2,358,317	WEIR, LEONARD CRAYTON	2,358,095
QUADLUX, INC.	2,358,270	STRUCK, ROBERT F.	2,357,977	WEISER, JAROLD	2,358,191
RAEVSKAYA, GALINA A.	2,357,872	STURDY, JAMES T.	2,358,182	WESTERBERG, EUGENE R.	2,358,270
RAMASWAMY, RAJAN	2,357,976	STURM, JURGEN	2,358,099	WIKEL, JAMES HOWARD	2,358,091
RAPIAH, LEONID N.	2,357,872	SUDOR, JAN	2,358,092	WIKEL, JAMES HOWARD	2,358,095
RICHEY, LINDELL C.	2,357,923	SUMMERS, EDWARD	2,358,122	WILEY, MICHAEL ROBERT	2,358,091
RICKE, MARKO	2,358,068	SUNTOY LIMITED	2,358,314	WILEY, MICHAEL ROBERT	2,358,095
RIDYARD, STEPHEN DAVID	2,358,109	SUUMAKI, JAN	2,358,194	WM. WRIGLEY JR. COMPANY	2,357,923
RITTER, TIMOTHY L.	2,358,248	SYNTHES (U.S.A.)	2,358,060	WORTHEN, WILLIAM J.	2,357,914
ROCH, JEAN-MARC	2,358,086	SZAFRANIEC, BOGDAN	2,358,122	XENCOR, INC.	2,357,811
ROMITI, JAY G.	2,358,270	TAKASUGI, HISASHI	2,357,874	YAMAMOTO, SHINICHI	2,358,118
ROSE, KEITH	2,351,739	TAMURA, YOSHINAGA	2,358,118	YAMAWAKI, YUKIO	2,358,118
ROUSSEL, GILLES	2,357,832	TAN, SENG C.	2,358,306	YAMAZAKI, HITOSHI	2,357,874
ROYAL CANIN S.A.	2,358,313	TANIGUCHI, KIYOSHI	2,357,874	YEE, YING KWONG	2,358,091
RUPPEL, REMY	2,357,832	TASKOVICS, STEVEN	2,358,105	YEE, YING KWONG	2,358,095
SAFEGARD MEDICAL LIMITED	2,358,190	TEBBE, ANNE LOUISE	2,358,091	YEN, WILLIAM W.	2,358,255
SAGOV, MAGOMET S.	2,358,214	TEBBE, ANNE LOUISE	2,358,095	YOSHIDA, NORIKO	2,357,874
SAITO, NORITAKA	2,358,123	TELLABS OPERATIONS, INC.	2,358,203	YOSHIKAWA, MASATO	2,357,933
SALVATORI, FRANCESCA	2,351,740	TEMPLE, CARROLL	2,357,977	YOSHIMURA, TOMONARI	2,358,123
SAMANANT, PAUL P.	2,358,191	TERASAWA, TAKESHI	2,357,874	ZHANG, JIE	2,358,315
SANDERS, GLEN A.	2,358,072	THE GILLETTE COMPANY	2,357,976	ZHAO, QI	2,358,097
SATO, KENTARO	2,357,874	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICUL	2,358,285	ZHOU, SHANGZHEN	2,358,094
SAWYER, JASON SCOTT	2,358,091	THOMPSON, TERRY	2,357,950	ZIMNOCH, JOSEPH	2,358,069
SAWYER, JASON SCOTT	2,358,095	THORSETT, EUGENE D.	2,358,093	ZUEHLKE, JULIUS W.	2,357,923
SCARLATTI, GABRIELLA	2,351,740	TINSLEY, JENNIFER MARIE	2,358,091		
SCHAUT, GERHARD	2,357,868	TINSLEY, JENNIFER MARIE	2,358,095		
SCHESTEDT, WILLIAM H.	2,358,270	TIRAMANI, PAOLO M. B.	2,358,117		
SCHLESINGER, SONDRAL	2,358,049	TJEENK WILLINK, CORNELIS ANTONIE	2,358,071		
SCHMERR, MARY JO	2,358,285	TODD, ROBERT J.	2,358,276		
SCHMID, PETER	2,357,837	TOMISHIMA, YASUYO	2,357,874		
SCHOLL, STEPHAN	2,358,097	TRANC-HAND-BUNEL, DENIS	2,358,102		
SCHULZETENBERG, WILLIAM R.	2,358,121	TRUBKO, SERGEY	2,358,220		
SCHWARTZ, JERRY H.	2,358,033	TURUNEN, MATTI	2,358,194		
SCIORRA, LEONARD	2,358,069	UNIVERSITE PIERRE ET MARIE CURIE (PARIS VI)	2,358,092		
SECRIST, JOHN A., III	2,357,977				
SENSORMATIC ELECTRONICS CORPORATION	2,358,163				
SENSORMATIC ELECTRONICS CORPORATION	2,358,167				

## **Index of PCT Applications Entering the National Phase**

## **Index of Canadian Divisional and Previously Unavailable Laid-Open applications**

## **Index des Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant**

AIDA, KAZUO	2,356,441
AMERICA ONLINE, INC.	2,357,494
BAUCH, AARON M.	2,357,502
CSULITS, FRANK M.	2,357,502
CUMMINS-ALLISON CORPORATION	2,357,502
DODGE, BERNARD E.	2,357,489
EARTH & OCEAN SPORTS, INC.	2,357,488
FORMON, JOHN S.	2,357,489
GEORGE, ERIC S.	2,357,488
GEORGIA-PACIFIC CORPORATION	2,357,489
GRAVES, BRADFORD T.	2,357,502
HIDAKA, YOSHIHARU	2,356,441
IKEDA, TAKASHI	2,356,441
JONES, JOHN E.	2,357,502
JONES, WILLIAM J.	2,357,502
KABUSHIKI KAISHA TOSHIBA	2,356,441
KAMURA, KOUICHIROU	2,356,441
KOBAYASHI, HIROSHI	2,356,441
MACNAUGHTON, BRUCE A.	2,357,494
MAZUR, RICHARD A.	2,357,502
MENNIE, DOUGLAS U.	2,357,502
MITSUBISHI HEAVY INDUSTRIES, LTD.	2,357,553
MITSUBISHI HEAVY INDUSTRIES, LTD.	2,357,555
MUNRO, MARK C.	2,357,502
NAKAMOTO, YUKIMASA	2,357,553
NAKAMOTO, YUKIMASA	2,357,555
RATERMAN, DONALD E.	2,357,502
SCHREITER, HEINZ W.	2,357,502
STROMME, LARS R.	2,357,502
TURNER, LEIGH R.	2,357,494
VUKELIC, GREGG A.	2,357,488
YANO, MOTOMITSU	2,356,441