



Canadian Intellectual Property Office

**Patent Bibliographic Data and Full Text
Data Dictionary**

WIPO standard XML ST.36

Version 1.0

2019-03-15

Ce document est aussi disponible en français sous le titre - Dictionnaire de données sur les Bibliographies et textes complets de brevets. This publication is available upon request in accessible formats.

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1.0 Overview of Canadian Patents

Canadian bibliographic and full text data contains searchable text of the abstract, the claims and the description of applications open to public inspection, granted patents and public domain documents. The file structure is governed by World Intellectual Property Organization (WIPO) standard ST.36 for the presentation of patent applications and granted patents.

This section will give an overview of what patent information is supplied, the approximate volumes of data, and a description of the file structures.

Patents apply to new inventions, newly developed technology as well as to improvements on existing products or processes. A full description of what constitutes a Patent is described in the Patent Act, however, in brief, a patent is an exclusive right, granted by the Commissioner of Patents under powers given by Acts of government, to exclude others from making, using, or selling your invention in Canada.

New Act Data:

Canadian patent applications filed in Canada after October 1, 1989 fall under Section 10(2) of the New Patent Act (1989) and are open to public inspection (OPI) after a confidentiality period of 18 months has expired from the earlier of the Canadian filing date or the corresponding foreign patent office priority filing date.

New act Laid-open patent applications are numbered starting with number 2,000,000 which are assigned when filed in the Patent Office.

Canadian patent applications are maintained with payment of annual maintenance fees. Applications are granted or refused after being examined by the Patent Office. A request for examination must be received within 5 years of the filing date for the Patent Office to examine the Canadian Patent application, or the application becomes abandoned. Granted patents are valid for a term of up to 20 years from the filing date, provided the annual maintenance fees are paid. Although not commonly done, granted Canadian patents can be reissued or re-examined to correct errors or defects, within statutory limitations. Canadian patent applications (A1) , Grants (C), Reissues (E) and Re-examined patents (F) all use the 2,000,000 number series as document numbers.

Old Act Data:

Patents filed prior to October 1, 1989 fall under the old Canadian Patent Act and are not laid open prior to grant. Old Act granted Canadian patents, Re-examined Canadian patent applications, Grants (A), Reissues (B), and Re-examined patents (F) are numbered consecutively from 196,677. The Reissue is given a new number from the original patent.

Old Act patents granted after October 1, 1989 are currently (*) also in force for 17 years after grant provide the annual maintenance fees are paid.

*Note: There is a possibility that the 17 year in force period may be extended to 20 years for some Old Act Patents.

2.0 Information supplied

Canadian patent data contain information about all patent applications open to public inspection, granted patents and expired applications/patents (public domain).

Where appropriate, volumes will be indicated as well as update volumes and estimates of annual growth. These volumes will be approximations and are based on volumes on the date of this publication.

2.1 Patent data

The following volumes are as of **2019-02-11**.

	Applications
Active documents	354,624
Patents	191,011
Pending applications	163,613
Public domain	2,005,018
Weekly Average	
New documents	1,206
Updated documents	2,279

2.2 Other Canadian Patent Data

Along with Canadian patent bibliographic and full text data, CIPO also maintains a collection of Canadian patent administrative status data which is supplementary data related to patent document processing, and Canadian patent biological sequence listings. Both of these collections are found as separate products. Patent grant (C) and patent applications (A1) images are also available as separate products.

2.3 Weekly Applications/Granted Patent Data

Each week new applications recently open to public inspection and newly granted patents are provided as are updates to previously published patent applications and previously published patents. Each xml file contains bibliographic data, validated abstract and claims (edited optical character recognition (OCR)) and as-is description text ("as is" optical character recognition).

Note that text obtained through optical character recognition does not represent a legal copy of that text. The description text is limited to the first 250 pages.

2.4 Dates

Dates within the data are formatted YYYYMMDD. When the dates cannot be distributed in this format, they will be made available in an unstructured format.

2.5 Country and office data

The international standard ISO 3166-1, “Codes for the representation of names of countries and their subdivisions – Country Codes”, is used to represent countries for postal addresses. The WIPO standard ST.3, Two-Letter Codes for the Representation of States, Other Entities and Intergovernmental Organizations, is used to indicate the name of the country or the office with which the earlier filing was made when patent applicants claim priority filing.

For more information on WIPO standard ST.3 and the Two-Letter Codes for the Representation of States, Other Entities and Intergovernmental Organizations, please reference WIPO ST.3

<http://www.wipo.int/export/sites/www/standards/en/pdf/03-03-01.pdf>

2.6 Description of the Dataset

The bibliographic patent data is supplied in UTF-8 format where ZIP is the compression used for dissemination.

The following elements are provided:

- Title
- Abstract
- Inventor(s)
- Owner(s)
- Applicant(s)
- IPC
- Claims
- Description
- PCT filing number
- International Publication Number

Back Files:

Back files are available from 1869. Back file data provides the means to build an initial database.

- The back file is approximately 25 Gb.

Weekly Files:

Weekly CANB-YYWW.zip files are made available on Wednesdays;

- each weekly file contains **new** applications that were laid open since the previous week and newly granted patents along with a Log and OpStat files for each. The “Log” file contains a list of all patents extracted and the “OpStat” file provides statistics related to the extraction process.
- each weekly file also contains updated (**upd**) applications and updated granted patents along with a Log and OpStat files for each. The “Log” file contains a list of all patents extracted and the “OpStat” file provides statistics related to the extraction process.
- CANB-YYWW.zip contains:
 - CA-**new**-YYYYMMDD.zip
 - CA-**new**-YYYYMMDDLog.rtf
 - CA-**new**-YYYYMMDD.OpStat.rtf
 - CA-**upd**-YYYYMMDD.zip
 - CA-**upd**-YYYYMMDDLog.rtf
 - CA-**upd**-YYYYMMDDOpStat.rtfwhere the YYYYMMDD is the date of extraction

2.7 Description of XML structure

Canadian bibliographic and full text data is provided in XML format, based on WIPO ST.36, as described by the Document Type Definition (DTD) "ca-patent-document". This DTD is the Canadian version of the standard xx-patent-document DTD developed by the European Patent Office. It contains customized elements to accommodate Canadian patent data. These elements are identified by the "ca-" prefix in the element names.

Complete documentation on WIPO standard ST.36 is available at:

http://www.wipo.int/standards/en/part_03_standards.html

NOTE: The example below does not contain all possible combinations or all possible tags. It is a representative example of the layout of a typical application. For more exhaustive information, please refer to the Annex C of the WIPO site at http://www.wipo.int/standards/en/xml_material/st36/

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
3.0 Canadian Patent Document				
1.	Canadian Patent Document	<code><ca-patent-document lang="en" kind="C" doc-number="2327076" status="GR" dtd-version="ca-patent-document-v2-0" country="CA"></code>	<p>This element contains all the information on a patent.</p> <p>"lang" contains the language of the publication.</p> <p>"kind" contains the kind code according to WIPO Standard ST.16. See the Kind Code element for the code descriptions.</p> <p>"doc-number" contains the number assigned to the patent (Patent number).</p> <p>"status" contains the code indicating the current processing state of the Patent/Application. See Appendix B</p> <p>"dtd-version" contains the document type dictionary version. For clients performing bulk processing of CIPO's ST.36 Patent XML files - either transformation or validation - the public Document Type Definition http://patents.ic.gc.ca/cipo/dtd/ca-patent-document-v2-0.dtd should be downloaded and added to their local XML Entity Catalog. Doing so will avoid an inordinate number of HTTP Get requests for the DTD and the possibility of being refused access to CIPO's web site as a potential denial-of-service threat.</p> <p>"country" contains the country code (WIPO ST.3) of the publication country (Canada).</p>	<p>Canadian Bibliographic Data</p> <p>Description</p> <p>Claims</p> <p>Abstract Language</p>

3.1 Bibliographic Data				
2.	Bibliographic Data	<ca-bibliographic-data>	This element contains the bibliographic data of a patent.	Publication Reference
3.	Publication Reference	<publication-reference>	This element contains the information on the patent's publication.	Document ID
4.	Patent Information	<document-id>	This element contains the country code of the publishing country of the patent, the patent/application number, the Kind code of the patent and the laid-open date for Non Patent Cooperation Treaty (Non-PCT) applications.	Country Document Number Kind Date
5.	Country of Publication	<country>CA</country>	This element contains the country code of the publishing country as per WIPO's ST.3.	N/A
6.	Patent Application Number	<doc-number>2327076</doc-number>	<p>Represents the patent/application number (#2,000,000 (+)) for patent applications filed after Oct 1 1989 (New Act (NA)); or for patents granted under the Old Patent Act (OA) with numbers (#1(+)) granted after 1867, and filed prior to October 1 1989.</p> <p>Notes:</p> <ol style="list-style-type: none"> 1) Old Act patents are numbered consecutively based grant date starting from #1 in 1868 2) New Act patent application numbers are assigned consecutively when filed in Canada. 3) Not all New Act application numbers will be present in this file as some applications are withdrawn prior to being laid-open. (43); 4) The Canadian Patent Office does not have separate publication numbers with publication dates. Canadian patent specifications use the patent number, and Document type codes (WIPO ST.16) with the appropriate date. 	N/A

7.	Kind Code	<kind>C</kind>	<div>This element contains the Kind Code according to WIPO Standard ST.16.</div> <table><tr><th>Kind Code</th><th>Description</th></tr><tr><td>A</td><td>Grant(45) Patents granted prior to October 9 1990(1,275,150)</td></tr><tr><td>B</td><td>Reissue(48) Patents Reissued prior to September 4, 1990(1,273,566)</td></tr><tr><td>A1</td><td>Laid-open (43) Patent applications filed on or after October 1, 1989 (#2,000,001+)</td></tr><tr><td>C</td><td>Grant (45) Patents granted on or after October 16, 1990 (1,275,151+)</td></tr><tr><td>E</td><td>Reissue (48) Patents Reissued on or after October 1 1989 (1,262,017+)</td></tr><tr><td>F</td><td>Re-examined (48) Patents on or after October 11989 (1,262,017 +)</td></tr></table>	Kind Code	Description	A	Grant(45) Patents granted prior to October 9 1990(1,275,150)	B	Reissue(48) Patents Reissued prior to September 4, 1990(1,273,566)	A1	Laid-open (43) Patent applications filed on or after October 1, 1989 (#2,000,001+)	C	Grant (45) Patents granted on or after October 16, 1990 (1,275,151+)	E	Reissue (48) Patents Reissued on or after October 1 1989 (1,262,017+)	F	Re-examined (48) Patents on or after October 11989 (1,262,017 +)	N/A
Kind Code	Description																	
A	Grant(45) Patents granted prior to October 9 1990(1,275,150)																	
B	Reissue(48) Patents Reissued prior to September 4, 1990(1,273,566)																	
A1	Laid-open (43) Patent applications filed on or after October 1, 1989 (#2,000,001+)																	
C	Grant (45) Patents granted on or after October 16, 1990 (1,275,151+)																	
E	Reissue (48) Patents Reissued on or after October 1 1989 (1,262,017+)																	
F	Re-examined (48) Patents on or after October 11989 (1,262,017 +)																	
8.	Laid-open date for Non PCT applications	<date>20020530</date>	<div>This element contains the laid open/open to public inspection date of Non PCT applications (Type A1) of the New Act (Patent application #2,000,000 +).</div> <div>NOTE: The document date for Old Act patents is the Grant date</div> <div>All dates are in the YYYYMMDD format.</div> <div>See the element <pct-or-regional-publishing-data> for more information.</div>	N/A														
9.	International Patent Classification (IPC) Codes	<classifications-ipcr>	<div>This element contains the patent’s related International Patent Classification (IPC) codes.</div>	International Patent Classification (IPC) Code														

10.	International Patent Classification (IPC) Code	<code><classification-ipcr sequence="1"></code>	This element the patent's related International Patent Classification (IPC) code. "sequence" indicates the sequence number of the IPC classification (ex: 1,2, etc. repeats for each classification)	IPC version indicator IPC classification level indicator IPC Section Symbol IPC Class Symbol IPC Subclass Symbol IPC Group Symbol – Main Group IPC Group Symbol – Subgroup First or later position of symbols Classification value (invention or additional) Assigned classification date Classification office Original and reclassified data Source of the classification data
11.	IPC version indicator	<code><ipc-version-indicator></code>	This element contains the element containing the version date of the International Patent Classification (IPC) .	IPC version date
12.	IPC version date	<code><date>20120101</date></code>	This element contains the version date of the International Patent Classification (IPC) as specified by IPC Reform (ex. 20060101).	N/A
13.	IPC classification level indicator	<code><classification-level>A</classification-level></code>	This element contains the classification level indicator for the IPC. The value can be C, A or S: S - classification in subclasses only C - classification in main groups only A - classification in the full IPC Note: Before January 1, 2011, the designations for the classification level indicators were: C (Core), A (Advance) and S (Subclass).	N/A

14.	IPC Section Symbol	<section>G</section>	<p>This element contains the Section Symbol of the International Patent Classification (IPC). Each section is designated by one of the capital letters A through H.</p> <p>The Section Title linked to the Section Symbol is a very broad description of the contents of the section. The following are the titles for the eight sections:</p> <p>A - HUMAN NECESSITIES B - PERFORMING OPERATIONS; TRANSPORTING C - CHEMISTRY; METALLURGY D - TEXTILES; PAPER E - FIXED CONSTRUCTIONS F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING G - PHYSICS H – ELECTRICITY</p>	N/A
15.	IPC Class Symbol	<class>06</class>	<p>This element contains the Class Symbol of the International Patent Classification (IPC). Classes are a subdivision of Sections and each Class has a Class Title (Ex: G06 COMPUTING; CALCULATING; COUNTING).</p>	N/A
16.	IPC Subclass Symbol	<subclass>Q</subclass>	<p>This element contains the Subclass Symbol of the International Patent Classification (IPC). Subclasses are a subdivision of the Classes and each have a Subclass Title (Ex: G06Q DATA PROCESSING SYSTEMS OR METHODS, SPECIALLY ADAPTED FOR ADMINISTRATIVE, COMMERCIAL, FINANCIAL, MANAGERIAL, SUPERVISORY OR FORECASTING PURPOSES; SYSTEMS OR METHODS SPECIALLY ADAPTED FOR ADMINISTRATIVE, COMMERCIAL, FINANCIAL, MANAGERIAL, SUPERVISORY OR FORECASTING PURPOSES, NOT OTHERWISE PROVIDED FOR [8]).</p>	N/A
17.	IPC Group Symbol – Main Group	<main-group>30</main-group>	<p>This element contains the Main Group Symbol of the International Patent Classification (IPC). The Group Symbol is a subdivision of the Subclass. The Main Group Symbol is the first one to three digits that appear before the oblique stroke of the Group Symbol. Each Main Group Symbol has a Main Group Title (EX: G06Q 30/00 Commerce, e.g. shopping or e-commerce [2012.01])</p>	N/A
18.	IPC Group Symbol – Subgroup	<subgroup>06</subgroup>	<p>This element contains the Subgroup Symbol of the International Patent Classification (IPC). The Group Symbol is a subdivision of the Subclass. The Subgroup Symbol is the last two to three digits that appear after the oblique stroke of the Group Symbol. Each Subgroup Symbol has a Subgroup Title (EX: G06Q 30/06 Buying, selling or leasing transactions [2012.01])</p>	N/A
19.	First or later position of symbols	<symbol-position>F</symbol-position>	<p>This element contains the position of the first invention information classification. The value can be first or later (F or L).</p>	N/A

20.	Classification value (invention or additional)	<code><classification-value></code>	This element contains the classification value indicator to differentiate between invention information and other information. The value can be: I – Invention N - Additional/Non-invention	N/A
21.	Assigned classification date	<code><action-date></code>	This element contains the date on which the classification was assigned.	Assigned classification date value
22.	Assigned classification date value	<code><date>20111115</date></code>	This element contains the value of the date on which the classification was assigned. Dates are in the following format: YYYYMMDD.	N/A
23.	Classifying office	<code><generating-office></code>	This element contains the information on the office that generated the classification data.	Classification office country code
24.	Classifying office country code	<code><country>CA</country></code>	This element contains the 2-letter country code of the office classifying the data, as per WIPO ST.3.	N/A
25.	Original and reclassified data	<code><classification-status></code>	This element contains the indication of the different types of data. The value can be: B - Basic or original data R - Reclassified data V - Various incidental changes D - Data to be deleted	N/A
26.	Source of the classification data	<code><classification-data-source></code>	This element contains the identifier of the source of the classification data. The value can be: H – Human generated data/Intellectual classification by persons. M - Machine classification by the propagation of earlier intellectual classification through the use of common priorities in the patent application. G - Generated by software using automatic analysis of the content of the patent document.	N/A

27.	Canadian Patent Classification	<classification-national>	This element contains the Canadian Patent Classification (CPC). This system was used by Canada prior to October 1989 to classify inventions. Each application is assigned a main (primary) classification and can also be assigned multiple secondary classifications. The classification will be in the format: ###/###.### eg. 20/230 : 20 is the class, 230 is the subclass	Country of Canadian Patent Classification Main Canadian Patent Classification Further Canadian Patent Classification
28.	Country of Canadian Patent Classification	<country>CA</country>	This element contains the country code (WIPO ST.3) of the country classifying the patent.	N/A
29.	Main Canadian Patent Classification	<main-classification>210/14</main-classification>	This element contains the main Canadian Patent Classification (CPC).	N/A
30.	Further Canadian Patent Classification	<further-classification>26/182</further-classification>	This element contains further Canadian Patent Classification (CPC). This element may repeat more than once.	N/A
31.	Application Reference type	<application-reference appl-type="NON-PCT">	Application reference type information contains the type of application. The application can either be PCT or NON-PCT.	Document ID
32.	Application Reference Document ID	<document-id>	This element contains the country code of the publishing country of the patent, and the patent/application number, for Non Patent Cooperation Treaty (Non-PCT) and PCT applications.	Application Reference Country Document Number
33.	Application Reference Country	<country>CA</country>	This element contains the country code (WIPO ST.3) of the country of the patent.	N/A
34.	Document Number	<doc-number>2327076<doc-number>	Represents the patent/application number.	N/A
35.	Application language of filing	<language-of-filing>en</language-of-filing>	This element contains the language of filing: fr for French, en for English.	N/A
36.	Priority claims	<priority-claims>	This element contains information on priority claims.	Priority-claim kind
37.	Priority claim kind	<priority-claim sequence="1" kind="international">	This element contains information on a priority claim. "sequence" indicates the sequence number for the priority claim (ex: 1,2, etc. repeats for each priority claim).	Priority claim country code Foreign patent application number(s) Priority claim date

38.	Origin Country of Priority Claim	<country>EP</country>	The two letter country code of the corresponding priority application according to WIPO ST.3	N/A
39.	Foreign priority application number(s)	<doc-number>PCT/EP02/07169</doc-number>	The number of the corresponding foreign Priority application.	N/A
40.	Date of Foreign Priority claim date	<date>20020628</date>	The date of the corresponding foreign Priority application. All dates are in the YYYYMMDD format.	N/A
41.	English Patent title	<invention-title lang="en">PROBIOTIC STRAINS, A PROCESS FOR THE SELECTION OF THEM, COMPOSITIONS THEREOF, AND THEIR USE</invention-title>	This element contains the English title of the Patent/Application.	N/A
42.	French Patent title	<invention-title lang="fr">SOUCHES PROBIOTIQUES, LEUR PROCEDE DE SELECTION, COMPOSITIONS ASSOCIEES ET LEUR UTILISATION</invention-title>	This element contains the French title of the Patent/Application.	N/A
43.	Dates of public availability	<dates-of-public-availability>	This element contains all the dates related to public availability.	Availability of the unexamined application Printed-as-amended
44.	Availability of the unexamined application	<unexamined-not-printed-without-grant>	This element contains the date on which an unexamined patent document without a grant was made available to the public (by printing or similar process).	Document-id
45.	Information of the unexamined application- Document id	<document-id>	This element contains information on the unexamined patent document without a grant which was made available to the public.	Country of the unexamined application Document number of the unexamined application Availability date of the unexamined application

46.	Country of the unexamined application	<country>CA</country>	This element contains the country of the unexamined patent document without a grant which was made available to the public.	N/A
47.	Document number of the unexamined application	<doc-number>2490016</doc-number>	This element contains the document number of the unexamined patent document without a grant which was made available to the public.	N/A
48.	Availability date of the unexamined application	<date>20040108</date>	This element contains the laid open/open to public inspection date (New Act only; #2,000,000 +). NOTE: The document date for Old Act patents is the Grant date All dates are in the YYYYMMDD format. See also element <pct-or-regional-publishing-data>	N/A
49.	Section 8 correction	<printed-as-amended>	This element contains the information on the availability of an application/registration which was corrected under Section 8 of the <i>Patent Act</i> .	Document-id
50.	Document ID	<document-id>	This element contains information on the corrected patent document.	Country Doc-number Section 8 request date
51.	Country	<country>CA</country>	This element contains the country of the corrected patent document.	N/A
52.	Document Number	<doc-number>2490016</doc-number>	This element contains the document number of the corrected patent document.	N/A
53.	Section 8 request date	<date>20040108</date>	This element contains the Section 8 request date. All dates are in the YYYYMMDD format.	N/A
54.	Rights effective date	<dates-rights-effective>	This element contains the date from which industrial property rights may have effect.	Examination request
55.	Examination request	<request-for-examination>	This element contains the date on which the examination of the application was requested.	Examination request date
56.	Examination request date	<date>20041217</date>	Indicates the date the examination of the application was requested (New Act Only, 2,000,001+). This is blank if the patent application number is less than 2000000.	N/A
57.	Related documents	<related-documents>	This element contains references to other legally or procedurally related domestic patent documents.	Division information
58.	Division information	<division>	This element contains information on an earlier application from which the present document has been divided out (i.e.: Number and, if possible, filing date of the earlier application)	Related documents information

59.	Related documents information	<relation>	This element contains the information on the parent and/or child document(s) related to this application.	Parent document Child document
60.	Parent document	<parent-doc>	This element contains information on the parent document of this application/registration.	Parent document information
61.	Parent document information	<document-id>	This element contains information on the parent document of this application/registration.	Parent document country code Parent document application number Divisional date
62.	Parent document country code	<country>CA</country>	This element contains the WIPO ST.3 country code of the parent document.	N/A
63.	Parent document application number	<doc-number>2490016</doc-number>	This element contains document number with the sequence number of the divisional. A patent document with no divisional has the sequence number # 0.	N/A
64.	Divisional date	<date>20040108</date>	This element contains the divisional date. All dates are in the YYYYMMDD format.	N/A
65.	Child document	<child-doc>	This element contains the information on the child document of this application/registration.	Child document information
66.	Child document information	<document-id>	This element contains the information on the child document of this application/registration.	Child document country code
67.	Child document country code	<country>CA</country>	This element contains the WIPO ST.3 country code of the child document.	N/A
68.	Date PCT article fulfilled	<date-pct-article-22-39-fulfilled>	This element contains the date of commencement of the national phase pursuant to PCT Article 23(1) or 40(1)	Date
69.	Date	<date>20041217</date>	This element contains the value of the date on which the Article 22 or 39 of the PCT was fulfilled.	N/A
70.	PCT or regional filing data	<pct-or-regional-filing-data>	This element contains the PCT or regional filing information.	Filing information PCT section 371 date

71.	Filing information	<document-id>	This element contains the PCT or regional filing information.	Filing country code PCT application number PCT filing date
72.	Filing country code	<country>EP</country>	This element contains the country code (WIPO ST.3) of the country in which the application was filed.	N/A
73.	PCT application number	<doc-number>PCT/EP2003/006752</doc-number>	This element contains the number assigned by the World Intellectual Property Organization (WIPO) to a patent application at the time it is filed in the PCT system.	N/A
74.	PCT filing date	<date>20090612</date>	This element contains the date assigned by the World Intellectual Property Organization (WIPO) to a patent application at the time it is filed in the PCT system. All dates are in the YYYYMMDD format.	N/A
75.	PCT section 371 date	<us-371c124-date>	This element contains the PCT section 371 Date. This identifies an application submitted as a national phase entry filed under 35 USC 371.	Value of the PCT section 371 date
76.	Value of the PCT section 371 date	<date>20030626</date>	This element contains the PCT section 371 Date. All dates are in the YYYYMMDD format.	N/A
77.	PCT or regional publication information	<pct-or-regional-publishing-data>	This element contains PCT or regional publication information. Ex: international publication date, international publication number, and, optionally, the language in which the international application is published.	Publication information
78.	Publication information	<document-id>	This element contains the country, patent number, and date of the PCT or regional publication.	Publication country Publication number Publication date
79.	Publication country	<country>WO</country>	This element contains the country code (WIPO ST.3) of the country of publication.	N/A
80.	Publication number	<doc-number>WO2004/003235</doc-number>	This element contains the number assigned by the World Intellectual Property Organization (WIPO) to an application filed through the PCT when the application becomes open to public inspection.	N/A
81.	Publication date	<date>20040108</date>	This element contains the date assigned by the World Intellectual Property Organization (WIPO) to an application filed through the PCT when the application becomes open to public inspection. All dates are in the YYYYMMDD format. NOTE: For Old Act patents, this contains the Grant date.	N/A

82.	Office specific bibliographic data	<ca-office-specific-bib-data office="CA">	This element contains bibliographic data specific to the office (Canada).	Date of the last update License for sale indicator Current or previous owners Interested parties Grant date
83.	Date of the last update	<ca-date-updated>	This element contains the last update date of the application/registration.	Date of the last update
84.	Date of the last update	<date>20060326</date>	This element contains the last update date of the application/registration.	N/A
85.	License for sale indicator	<ca-license-for-sale>false</ca-license-for-sale>	This element indicates if the owner is willing to sell or license the rights to the patent. The value can be true or false.	N/A
86.	Current or previous owners	<ca-assignees>	This element contains the information on all current or previous owners.	Current or previous owner
87.	Current or previous owner	<ca-assignee>	This element contains the information on a current or previous owner.	Owner information Owner enabling date Owner disabling date Owner grantee indicator
88.	Owner information	<addressbook>	This element contains the name and address of a current or previous owner.	Owner name Owner address
89.	Owner name	<name>PULEVA BIOTECH, S.A.</name>	This element contains the original or preserved name of the owner. Patent # 2,000,001 to date; and 1,262,017 to 1,339,049 includes Applicants.	N/A
90.	Owner address	<address>	This element contains the information on the address of the owner.	Owner address details Owner city Owner province code Owner postal code Owner country code

91.	Owner address details	<address-1> <i>Camino de Purchil, 66</i> </address-1> <address-2> <i>E-18004</i> </address-2> <address-3/> <address-4/> <address-5> </address-5>	This element contains the mailing address of the owner.	N/A
92.	Owner city	<city> <i>GRANADA</i> </city>	This element contains the city of owner, if available.	N/A
93.	Owner province code	<state>	This element contains the province code of the owner according to WIPO ST.3, if available.	N/A
94.	Owner postal code	<postcode>	This element contains the postal code of the owner, if available.	N/A
95.	Owner country code	<country> <i>ES</i> </country>	This element contains the 2-letter country code associated to the country name of the owner according to WIPO ST.3.	N/A
96.	Owner enabling date	<ca-date-assignee-enable>	This element contains the date on which the owner received all or part of the ownership (enabling date).	Owner enabling date value
97.	Owner enabling date value	<date> <i>20110330</i> </date>	This element contains the value of the enabling date.	N/A
98.	Owner disabling date	<ca-date-assignee-disable>	This element contains the date on which the owner stopped having ownership (disabling date), if applicable.	Owner disabling date value
99.	Owner disabling date value	<date> <i>20150330</i> </date>	This element contains the value of the disabling date.	N/A
100.	Owner grantee indicator	<ca-grantee> <i>Y</i> <ca-grantee>	This element contains the grantee indicator of the owner. This indicates if the owner is the grantee of the patent Y = yes, N = no	N/A
101.	Interested parties	<ca-parties>	This element contains information on the interested parties (applicants, inventors, and patent agents).	Applicants Inventors Patent Agents
102.	Applicants	<applicants>	This element contains the information on the applicant(s) or the owner.	Applicant
103.	Applicant	<applicant sequence="1" designation="all" app- type="applicant">	This element contains the information on an applicant or on an owner.	Applicant information Applicant nationality Applicant residence

104.	Applicant information	<addressbook>	This element contains the name and address of the applicant or owner.	Applicant name Applicant address
105.	Applicant name	<name>PULEVA BIOTECH, S.A.</name>	This element contains the name of the applicant or owner. Data available from patent # 2,000,001 to date; and 1,262,017 to 1,339,049.	N/A
106.	Applicant address	<address>	This element contains the information on the address of the applicant or the owner.	Applicant address details Applicant city Applicant province code Applicant postal code Applicant country code
107.	Applicant address details	<address-1>Camino de Purchil, 66</address-1> <address-2>E-18004</address-2> <address-3/> <address-4/> <address-5> </address-5>	This element contains the mailing address of the applicant or owner.	N/A
108.	Applicant city	<city>GRANADA</city>	This element contains the city of applicant or owner, if available.	N/A
109.	Applicant province code	<state>	This element contains the province code of the applicant or owner according to WIPO ST.3, if available.	N/A
110.	Applicant postal code	<postcode>	This element contains the postal code of the applicant or owner, if available.	N/A
111.	Applicant country code	<country>ES</country>	This element contains the 2-letter country code associated to the country name of the applicant or owner according to WIPO ST.3.	N/A
112.	Applicant nationality	<nationality>	This element contains the information on the applicant or owner's nationality.	Applicant nationality country code
113.	Applicant nationality country code	<country>CA</country>	This element contains the country code of the applicant or owner's nationality.	N/A
114.	Applicant residence	<residence>	This element contains the information on the applicant or owner's residence.	Applicant residence country code

115.	Applicant residence country code	<code><country>CA</country></code>	This element contains the country code of the applicant or owner's residence.	N/A
116.	Inventors	<code><inventors></code>	This element contains the information on the inventors.	Inventor
117.	Inventor	<code><inventor sequence="1"></code>	This element contains the information on one inventor. "sequence" indicates the sequence number for the inventors (ex: 1,2, etc. repeats for each inventor)	Inventor information
118.	Inventor information	<code><addressbook></code>	This element contains the name and address of the inventor.	Inventor name Inventor address
119.	Inventor name	<code><name>XAUS PEY, JORDI.</name></code>	This element contains the name of the inventor. The address details will be present if the inventor is Canadian, or if the inventor is also an applicant at filing. If the inventor is not Canadian, the address details will only contain the country.	N/A
120.	Inventor address	<code><address></code>	This element contains the address information of the inventor, if available.	Inventor address Inventor city Inventor province code Inventor postal code Inventor country code
121.	Inventor address	<code><address-1/> <address-2/ > <address-3/> <address-4/> <address-5> </address-5></code>	This element contains the mailing address details of the inventor, if available.	N/A
122.	Inventor city	<code><city>NA</city></code>	This element contains the city of the inventor, if available.	N/A
123.	Inventor province code	<code><state/></code>	This element contains the province or state of the inventor, if available.	N/A
124.	Inventor postal code	<code><postcode/></code>	This element contains the postal code of the inventor, if available.	N/A
125.	Inventor country code	<code><country>ES</country></code>	This element contains the 2-letter country code associated to the country name of the inventor according to WIPO ST.3.	N/A
126.	Patent agents	<code><agents></code>	This element contains the information on patent agents.	Patent agent

127.	Patent agent	<agent sequence="0" rep-type="agent">	This element contains the information on one patent agent. "sequence" indicates the sequence number for the patent agents (ex: 1,2, etc. repeats for each agent)	Patent agent information
128.	Patent agent information	<addressbook>	This element contains the address the name and address of the current registered patent agent of record representing the owner.	Patent agent name Patent agent address
129.	Patent agent name	<name>SIM & MCBURNEY</name>	This element contains the name of the current registered patent agent of record representing the owner.	N/A
130.	Patent agent address	<address>	This element contains the address of the current registered patent agent of record representing the owner if it is available.	Patent agent country code
131.	Patent agent country code	<country>CA</country>	This element contains the country code of the current registered patent agent of record representing the owner as per WIPO ST.3.	N/A
132.	Grant date	<ca-date-issue-grant>	This element contains the date on which the patent application was granted.	Grant date value
133.	Grant date value	<date>20170822</date>	This element contains the value of the grant date.	N/A
3.2 Description				
134.	Description	<description>	This element contains the description of the invention.	Disclosure
135.	Disclosure	<disclosure>	This element contains the Disclosure in English or in French. 5 % of the documents are in French (FR) and 95 % are in English.	Disclosure sequence number
136.	Disclosure sequence number	<p num = "1">	This element contains the sequence number of the disclosure which is the order in which disclosure text is displayed. However, this element is not currently in use and it will always equal 1.	Disclosure text

137.	Disclosure text	<p>
 <i>CA 02490016 2004-12-17</i>
 <i>WO 2004/003235</i> <i>PCT/EP2003/006752</i>
 <i>1</i>
 <i>PROBIOTIC STRAINS, A PROCESS FOR THE SELECTION OF THEM,</i>
 <i>COMPOSITIONS THEREOF, AND THEIR USE</i>
 <i>FIELD OF THE INVENTION</i>
 <i>The present invention relates to a novel process for the selection of new</i>
</p>	<p>This element contains the text of the disclosure.</p>	<p>N/A</p>
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3.3 Claims				
138.	Claims	<claims>	This element contains the Claims in English or in French. 5 % of the documents are in French (FR) and 95 % are in English.	Claims sequence number
139.	Claims sequence number	<claim num="1">	This element contains the sequence number of the claims which is the order in which claim text is displayed. However, this element is not currently in use and it will always equal 1.	Claims text
140.	Claims text	<claim-text>	This element contains the Claims text.	Claims text data
141.	Claims text details	 48 CLAIMS 1. A method for the selection of probiotic microbial strains, comprising the following steps: a. selecting for non-pathogenic strains which are capable of surviving in amniotic fluid, and, b. selecting for non-pathogenic strains which are able to be transferred to	This element contains the text of the Claims.	N/A

3.4 Abstract				
142.	Abstract	<abstract lang="en">	This element contains Abstract in English or in French. 5 % of the documents are in French (FR) and 95 % are in English (EN).	Abstract sequence number
143.	Abstract sequence number	<p num "1">	This element contains the sequence number of the abstract which is the order in which abstract text is displayed. However, this element is not currently in use and it will always equal 1.	Abstract text
144.	Abstract text	 <i>The present invention relates to a novel process for the selection of new</i> <i>probiotic strains which comprises the following steps: a) selecting for non-</i> <i>pathogenic strains which are capable of surviving in breast milk and/or</i>	This element contains the text of the Abstract.	N/A

Appendix A: Canadian Province and Territory Codes

Province or Territory Code	Definition
A1	Alberta
B1	British Columbia
M1	Manitoba
N1	Newfoundland and Labrador
N2	Nova Scotia
N3	New Brunswick
N4	North West Territories
N5	Nunavut
O1	Ontario
P1	Prince Edward Island
Q1	Quebec
S1	Saskatchewan
Y1	Yukon

Appendix B: Patent Current Process State Code

The processing and maintenance of a patent application proceeds through a number of states from filing to expiration. All such states, with the exception of the abandoned state (See Type 15 Abandonment), are listed below.

Code	Description
AA	Approved for Allowance to grant
AL	Allowed, Owner must pay final grant fee to grant
CO	Complete application
DE	Dead, applications that have been abandoned (Type 15) for one year, and that have not been reinstated within one year (*)
DP	Dedicated to Public use without license (Not used after Oct 1 1989)
ER	Examination requested
EX	Expired, The grant has expired, 20 years after filing (New Act), 17 years after grant (Old Act)
FA	Examiner Final Action report, the owner must appeal to Commissioner
FF	Final Fee for grant paid
GR	Granted patent application
IF	Complete application that is informal
LA	Lapsed, Patent grants that have been abandoned (Type 15-4-code 5) after failure to pay maintenance for one year (*)
NI	Non-PCT filed application that is Incomplete
PG	Pre-Grant
PI	PCT filed application that is Incomplete
RE	Registered in Office and given an application #
RP	Examiner Report sent
SU	Surrendered, The rights to Old Act grants (A) are voided when the grants are Reissued.
WI	Withdrawn patent application

(*) NOTE: Abandoned (Type 15) applications and grants can be reinstated within a year of the abandonment date.

Appendix C: Data Availability

The following dates, milestones, New Act (NA) application numbers (2,000,001+), and Old Act (OA) grant numbers (196,500 +) are important in understanding what data is available for which number ranges. WIPO ST.36 XML tags and WIPO ST.9 INID codes (e.g. (30)) are indicated where applicable.

	Application number	Data elements included
A	#2,198,508 (New Act (NA)) (+) to date	-All data element types are available after this date with the following exceptions: <classification-national/>-(ST.9: 52) CPC Classification (New Act)
B	# 2,000,001(NA) to # 2,198,507(NA) ; # 1,262,017(OA) to # 1,339,046 (OA)	October 1, 1989 New Patent Act Deployment to June 6 1997 deployment date: -All data element types are available after this date with the following exceptions: <classification-national/>-(ST.9: 52) CPC Classification; above (2,041,000)
C	# 1,081,500 (OA) TO # 1,262,016 (OA):	October 1, 1989 New Patent Act Deployment to June 6 1997 deployment date: -All data element types are available after this date with the following exceptions: <classification-national/>-(ST.9: 52) CPC Classification; above (2,041,000) - <ca-assigneess> (ST.9: 71) Applicants Applicants are included with the owners (ST.9: 73) -OA: patents will contain owner data only at time of grant. -OA: More recent ownership data may or may not all be present. -NA patent applications prior to #2,198,508 (See Range "A" above) which were dead due to failure to pay maintenance fees prior to June 7, 1997 may not contain all owner data.
D	# 1,036,300 (OA) to 1,081,499 (OA)	All Text, and Images are available with the following: - Bibliographic data - (ST.9: 22) Filing date (1,081,500 +) - (ST.9: 30) Priority data - (ST.9: 45) Grant date - (ST.9: 51) International patent Classifications (IPC) - (ST.9: 54) English AND French Titles - (ST.9: 52) Canadian patent Classification (CPC)

		<ul style="list-style-type: none">- (ST.9: 72) Inventor Names & Inventor Country code- (ST.9: 73) Grantee Names
E	# 195,677(OA) - # 1,036,299(OA)	<ul style="list-style-type: none">- All Images of the Description, Claims and drawings- All Images of the Front Cover, and Abstract (958,851(OA)+ December 10, 1974) with the following bibliographic Data:- (ST.9: 45) Grant date- (ST.9: 54) English and French Titles with the exception of English OR French Titles (589,997 (OA) to (1,023,501(OA)- (ST.9: 52) Canadian patent Classification (CPC)- (ST.9: 72) Inventor Names- (ST.9: 73) Grantee Names
F	# 1(OA) -# 195,666(OA)	<ul style="list-style-type: none">- (ST.9: 22) Filing date (1,081,500 +)- (ST.9: 45) Grant date- (ST.9: 54) English AND French Titles- (ST.9: 52) Canadian patent Classification (CPC)- (ST.9: 51) Inventor Names- (ST.9: 73) Grantee Names

Appendix D: Exclusions

There are currently some 5,000 missing International Patent Classification (IPC) codes in the patents from numbers 1,081,500 to 1,262,016.

In addition, the data does not include the following:

- Data associated with the Canadian Patent Office Record (CPOR) which is now provided in PDF format on the CIPO Web Site;
- Official copies of patent records which can be obtained in electronic and paper format;
- Fee payment data provided to the Canadian Patent Database;
- Administrative Status data associated with the processing of patent applications and grants from 1982 to date. Status data are provided to the Canadian Patent Database for Old Act patents (1,115,451 +) and for New Act patent applications (2,000,001+) nor
- Citation data.

Appendix E: Expired patents

For patent applications filed on or after October 1, 1989 (#2,000,000 +), the maximum term of the patent is 20 years from the date the application was filed, after which time it expires.

For patent applications filed before October 1, 1989 (< #1,262,016), the maximum term of the patent is normally 17 years from the date of issue, after which time it is considered expired.

In the special case of patent applications filed before October 1, 1989, (#1,262,017 to #1,999,999) that had not expired by July 12, 2001, the maximum term is 17 years from the date on which the patent had been issued or 20 years from the filing date, whichever occurs later.

Canada does not currently grant extension of patent terms beyond the expired date.

Appendix F: Kind codes per Patent Act

	Old Act (OA)*	Kind Code	Comments
1	Granted	A, C	The bibliographic data associated with all Old Act, Granted (A) specifications from 196,677 (January 1, 1920) to 1,036,299.
2	Reissued	B, E	The bibliographic data associated with all Old Act, Reissued (B) specifications from 196,677 (January 1, 1920) to 1,036,299.
3	Re-examined	F	Patents specifications from 1,036,300 (August 15, 1978) to date (1,300,000+)

*Published at grant

	New Act (NA)*	Kind Code	Comments
1	Laid open for public inspection	A1	Patent application specifications
2	Granted	C	
3	Reissued	E	
4	Re-examined	F	From 2,000,001 (October 1, 1989) to date

*Published 18 months after filing.

For more information, consult Appendix C.