

GPI – pocket guide

GPI content and updates

You can use Global Patent Index (GPI) to carry out detailed searches of the EPO's worldwide data collection (DOCDB bibliographic data, INPADOC legal events and full-text) and download or visualise the results for statistical analysis. GPI is updated every Friday at 12.00 hrs CET. It includes, for example, DE, EP, FR and GB documents published in the same week, as well as CN, US and WO documents published in the previous week. Around 500 000 new patent documents are added every month.

Search with numbers

Use NUM “all kinds of numbers” to retrieve publications with numbers that are publication, application, priority or cited patent numbers:

NUM = “A 000 041” or 10/174977

Note: Use PUN “publication number”, APN “application number”, PRN “priority number” and CPAT “cited patent” rather than NUM for more precise searches.

Search with countries, dates and grant filter ISG

Use APC “application country” and APD “application filing date” to retrieve publications of EP, CA and CN applications filed on or after 1 January 2019:

APC = EP or CA or CN and APD >= 2019

Use ISG “is granted?”, PUC “publication country” and PUD “publication date” to retrieve granted patents published by EP, CA and CN patent authorities in Q4/2019:

ISG = yes and PUC = EP or CA or CN and PUD [201910, 201912]

Note: Valid date formats are 20191231, 201912 and 2019, with or without separators (“/”, “-”, “.”) between the year, month and day.

Search with citations

Use CPSR “patent citation (search report)”, CAPP “cited applicant” and CCAT “citation category”, to retrieve publications with a search report including a cited DE patent document of the applicant Siemens and in the category X or Y:

CPSR = DE with CAPP = SIEMENS with CCAT = X or Y

Note: The WITH operator ensures that searched terms are in one single citation, whereas AND may retrieve documents with one searched term in one citation and another searched term not in the same citation.

Search with names

Use **APP** “applicant/proprietor”, **EVOW** “owner mentioned in the legal event record” and **PUD** “publication date” to retrieve documents for applicants, proprietors or new owners of interest and published in 2020:

APP or **EVOW** = "UNIV OXFORD" or "UNIV TORONTO" or "UNIV DALIAN TECH" or 大连理工大学 and **PUD** = 2020

Note:

- Names are indexed by individual words and expressions. Expressions such as "UNIV OXFORD" must be delimited with double quotes. Individual words do not need double quotes. The same rules apply to inventor names (**INV**).
- Whatever the criterion used in a query, wildcards cannot be placed in expressions delimited with double quotes. For example, **APP** = "DELTA ELECTRONIC?" does not return the expected result (documents where the applicant is "DELTA ELECTRONIC" or "DELTA ELECTRONICS"). Example of correct query: **APP** = DELTA +1w ELECTRONIC?

Search with classifications

Use **IPC**, **CPC**, **JPM** “Japanese FI” and **APP** “applicant/proprietor” to retrieve publications in the field of digital computing or data processing equipment or methods specially adapted for specific functions but not in the field of data acquisition and logging, for applicants or proprietors of interest:

IPC or **CPC** or **JPM** = G06F17 andnot G06F17/40 and **APP** = "UNIV CALIFORNIA" or "UNIV MADRID POLITECNICA" or "UNIV TOKYO" or 東京大学

Note:

- Accepted classification symbol formats include G06, G06F, G06F17, G06F0017, G06F001740, G06F17/40 and “G06F 17/40”. Searches at section level require right truncation (for example **IPC** = G*). Searches at class, subclass or group level (for example, G06, G06F, G06F17) automatically use right truncation.
- It is advisable to check the validity of classification symbols used in queries carefully. For example, CPC A01N63/04 is no longer valid in version 2020.01 of the CPC scheme, so as of January 2020, queries including A01N63/04 should be amended.

Search with keywords¹ and regular monitoring filter DFE

Use **WORD** “all titles, abstracts, descriptions and claims” and **DFE** “date of first exchange” to retrieve publications relating to wind turbines and added to GPI for the first time in Q1/2020:

WORD = wind +2w turbine* or windturbine* or windkraftanlage* or éolienne* or aero +2w generator* or aerogenerator* or ветротурбин* or 풍력발전기* and **DFE** [202001, 202003]

Note:

- Using the proximity operator +2w will produce a more precise search than the **AND** operator. It means “wind” is up to a maximum of two words apart from “turbine”, in this order. Use “/” instead of “+” if the order does not matter. For example, use corrosion /2w protection* to retrieve documents containing “corrosion protection”, “corrosion-resistant protection”, “protection against corrosion” or similar variations.
- The asterisk * can be used for right, middle and left truncation of a term. For example, word = *chlor*carbon* to retrieve documents containing chlorohydrocarbon, dichlorocyclopropanecarbonyl, etc.

¹ In titles, abstracts, descriptions and claims.

Search with simple family information

Use **FMPUC** “publication country code of the family member” and **APP** “applicant/proprietor” to retrieve families which include at least one US, one JP and one EP family member, for the parties of interest:

FMPUC = US and JP and EP and **APP** = Siemens

Use **DFE** “date of first exchange”, **FMDFE** “family member date of first exchange”, **IPC** and **CPC** to retrieve publications available for the first time in GPI in March 2020 but not families where a member was already retrieved by a previous monthly monitoring, in the specified technical area:

DFE = 202003 andnot **FMDFE** [201910, 202002] and **IPC** or **CPC** = F01N3

Note: The above query was used for a monthly monitoring run in April 2020 (monitoring of March 2020). The monitoring activity started in November 2019 (monitoring of October 2019). In April 2020, the result list does not include families that were already retrieved between November 2019 and March 2020.

Search with legal events

Use **EVCA** “event category”, **EVD** “event date”, **APP** “applicant/proprietor” and **EVOW** “owner mentioned in the event record” to retrieve patent documents of IP rights where reviews (e.g. opposition, surrender) were requested and published in gazettes or bulletins in January 2020, for the parties of interest:

EVCA = L with **EVD** = 202001 and **APP** or **EVOW** = "JFE STEEL" or NEC

Note:

- The **WITH** operator ensures that searched terms are in one single legal event, whereas **AND** may retrieve documents with one searched term in one legal event and another searched term not in the same legal event.
- Event categories are groups of legal events of a similar nature. The EPO grouped approximately 3 000 national, regional and international legal events in 21 categories based on the categories of WIPO standard ST.27. For example, the category L “IP right review request” corresponds to approximately 150 detailed legal events.

Use completeness assessment searches

As the content of patent documents may sometimes be incomplete, you can carry out completeness assessment searches to compare, for a given bibliographic data item, the number of complete documents with the number of incomplete documents.

Use **APPC** for a completeness assessment for “applicant country of residence”:

Documents with data: **APPC** = *
Documents without data: not (**APPC** = *)

Use **IPC**, **PUC** “publication country” and **PUD** “publication date” to carry out a completeness assessment for IPC for a given set of countries in a given date range:

Documents with IPC: **PUC** = FR or US or JP and **PUD** >= 2000 and **IPC** = *
Documents without IPC: **PUC** = FR or US or JP and **PUD** >= 2000 andnot **IPC** = *

Customise your result lists and documents

You can add bibliographic data to your result lists via “Result list content” in the Preferences menu to select the data you want to see and download:

Application	Family size (applications)	Abstract (en)
CZ 20013265 A 20000302	29	The present invention relates to a Lactobacillus paracasei CNCM I-2116 strain and the use thereof for the preparation of an edible carrier being preferably represented by a food composition selected f...
EP 98901520 A 19980205	25	There is provided a fermented milk product that contains lactic acid bacteria capable of producing a large amount of lactotripeptide and a large amount of active ingredient having hypotensive activity...
EP 2016070381 W 20160830	25	The present invention relates to a bacterium of the species Lactobacillus fermentum having the ability to inhibit the growth of the fungus <i>Penicillium solitum</i> deposited under the accession No.: DSM320...
RU 2000106746 A 19980818	24	FIELD: biotechnology, medicine, immunology, microbiology. SUBSTANCE: the strain Lactobacillus rhamnosus HN 001 and the strain Lactobacillus rhamnosus HN 067 exhibit immunostimulating effect. Compositi...
FR 9806456 A 19980522	22	New mutant Lactobacillus bulgaricus strain lacking beta - galactosidase activity has an nonsense mutation in at least one of the coding sequences of the lactose operon.

Result lists are downloadable in CSV, XLSX and XML formats.

Document content can also be customised, for example to re-order the bibliographic data:

Document 3 / 269

Biblio. + Description + Claims + Drawings + Search report + Legal events


WO 2017037046 A1 20170309 Text Original

Applicant
CHR HANSEN AS (DK)

Title (en)
LACTOBACILLUS FERMENTUM BACTERIA WITH ANTIFUNGAL ACTIVITY

Abstract (en)
The present invention relates to a bacterium of the species **Lactobacillus** fermentum having the ability to inhibit the growth of the fungus *Penicillium solitum* deposited under the accession No.: DSM32093 or the growth of the fungus *Penicillium brevicompactum* deposited under the accession No.: DSM32094 by at least 50%. The inhibitory activity can be determined in an assay comprising: (1) preparing a **fermented milk** product by: (a) inoculating a milk with the **Lactobacillus** fermentum in a concentration of at least 107 CFU/g and with a starter culture, (b) fermenting until a pH of 4.6 is reached, and (c) solidifying the **fermented milk** by the addition of agar; (2) generating at least one spot of the *P. solitum* or the *P. brevicompactum* on the agar solidified **fermented milk** with a concentration of 500 spores/spot and incubating the 1 same for 7 days at 25 °C; (3) determining the percent inhibition by determining the largest diameter of the colony formed by growth of the *P. solitum* or *P. brevicompactum* and expressing the diameter as percent of the largest diameter formed under the same conditions but in the absence of the **Lactobacillus** fermentum strain. The invention further relates to compositions comprising the bacterium, methods for producing **fermented milk** products using the bacterium and the products thus obtained.

Representative image



Documents (bibliographic data and legal events – not the full text) are downloadable in PDF, ODT and XML formats.

Switch to "document viewer" mode

Switch to the **document viewer** mode by clicking the minimise/maximise button located in the top right-hand corner, or by double-clicking in the document top toolbar. This display mode provides more space for analysing document content more effectively, allowing you for example to see the description and drawings side by side:

The screenshot shows the document viewer interface. The top navigation bar includes 'Preferences', 'Download', 'Print', 'Help', 'Search', 'Result', 'Statistics', 'coPLG is using GPI 2020/50', and 'Log out'. The document toolbar shows 'Document', navigation arrows, '9 / 300', and a red circle highlighting the minimise/maximise button. The document content is split into two panes: the left pane shows the text of paragraph [0347], and the right pane shows four diagrams (FIG. 1A, FIG. 1B, FIG. 1C, FIG. 1D) illustrating CRISPR-Cas systems and phage mutants.

In this mode the result list is hidden, but you can still browse it using the previous/next document buttons in the document top toolbar:

The screenshot shows the document viewer interface with the result list visible in the left pane. The top navigation bar is the same as in the previous screenshot. The document toolbar shows 'Document', navigation arrows, '9 / 300', and a red circle highlighting the previous/next document buttons. The document content is split into two panes: the left pane shows the result list for 'EP 2489275 A1 20120822', and the right pane shows the event description for the document.

Title (en)	Event date	Event cate...	Event code	Event description
CRISPR escape phage mutants	2020.10.19	R - Party data change	REG DE R082	CHANGE OF REPRESENTATIVE Document: DE602008046451 Representative: D YOUNG & CO LLP, DE
Publication EP 2489275 A1 20120822 (EN)	2020.06.30	H - IP right cessation	PG25 HR	LAPSED IN A CONTRACTING STATE [ANNOUNCED VIA POSTGRANT INFORMATION FROM NATIONAL OFFICE TO EPO] LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT Country: HR Effective date: 2016.09.21
Application EP 12150760 A 20080229	2020.06.30	U - Payment	PGFP FR	ANNUAL FEE PAID TO NATIONAL OFFICE [ANNOUNCED FROM NATIONAL OFFICE TO EPO] Country: FR Payment date: 2020.01.13 Year of fee payment: 13

Reuse queries from your search history

You can easily combine queries from your search history using their query ID. For example:

\$14 and \$15 andnot \$16

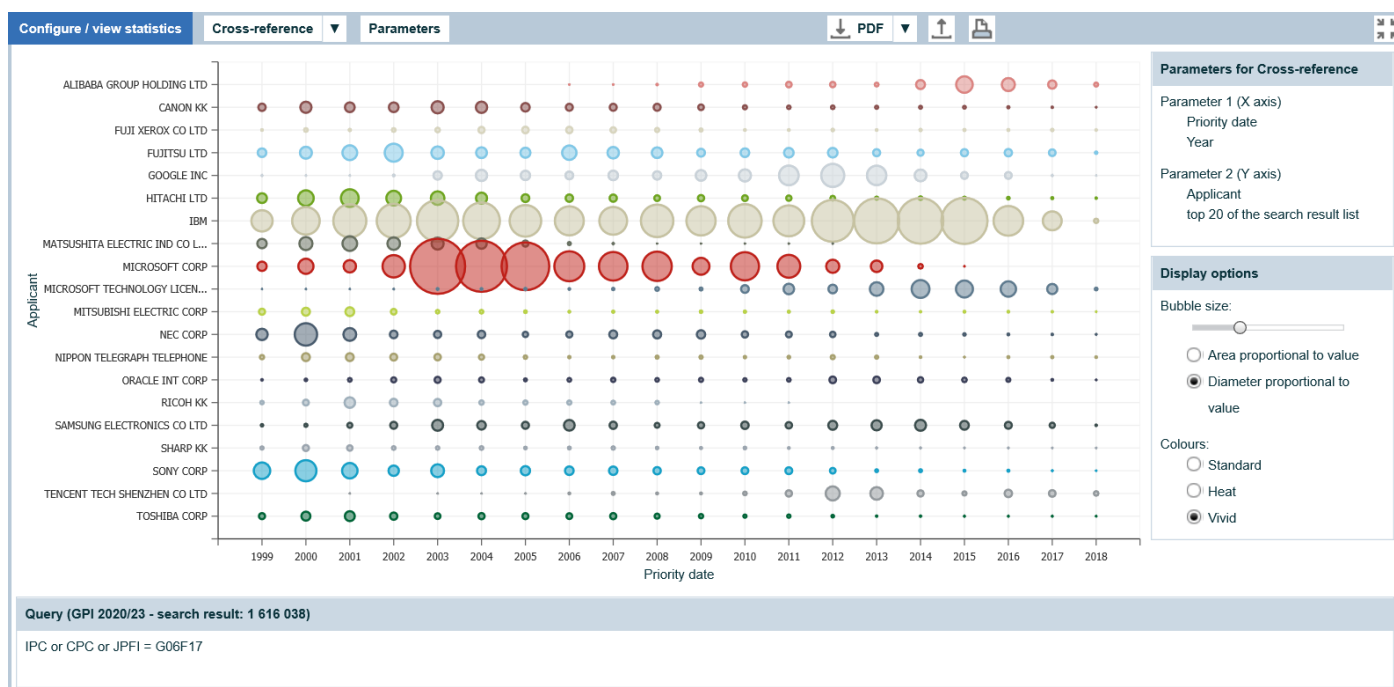
\$17 and IPC or CPC = E21B43 or C09K8

History				
ID	Database	Result	Query	Parsed query
\$17	GPI 2020/42	3 483	\$14 and \$15 andnot \$16	(TIEN = tarsand* ...
\$16	GPI 2020/42	25 742	word = electrotherm* or electrogasif* or electrocarboni* or el...	TIEN = electrother...
\$15	GPI 2020/42	194 363	word = (heav* or visco?s* or solid) /4w (oil? or crude? or hy...	TIEN = (heav* OR...
\$14	GPI 2020/42	6 601	word = tarsand* or (tar? or asphaltic?) /3w (sand* or deposit...	TIEN = tarsand* O...

Run statistics on search results

Statistics can be used, for example, to:

- Identify the most frequent classification symbols (IPC, CPC, Japanese FI or F-terms) corresponding to a preliminary search based only on keywords and to improve your query with these symbols, or to identify the top 100 applicants/proprietors or inventors (“simple statistics” bar charts).
- Visualise the activity of the top 20 applicants/proprietors over time or in the top 20 IPC or CPC subclasses (“cross-reference” bubble charts).



Cross-reference chart (applicant activity over time for a selected technical area)