



**ALLIANCE**  
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**Central Library**

# **Searching Basics on Derwent Patent Search**

<https://www.derwentinnovation.com/login/>

# Boolean Operators (1/2)

Operator	Use	e.g. / notes
OR	Use this operator for searching synonyms.	(Car OR Vehicle OR Motorcycle)
AND	Use this operator to search for documents containing all conditions.	(Electric AND car)
NOT	Use this operator to exclude documents that contain the keywords after NOT	(Car NOT Truck)
*	Expander, can be as prefix or suffix for # of characters. # = 1-99.	<ul style="list-style-type: none"><li>• Car* (to capture car, cars, cart, carriage etc.)</li><li>• *cide (to capture fungicide, bactericide, microbicide, biocide etc.)</li><li>• E.g. *carbon* (to capture bicarbonate, carbonaceous, etc.)</li><li>• Be cautious, as it will also pick any other non-relevant terms.</li></ul>
>=	Greater than equal to, used for date searching.	PY>=(2000), will capture patents with publication year of 2000 and onwards.
<=	Less than equal to, used for date searching.	PY<=(1999), will capture patents with publication year up to 1999.

# Boolean Operators (1/2)

Operator	Use	e.g. / notes
<b>NEAR<sub>n</sub></b>	Use this operator for bi-directional proximity. Proximity of words to one another n # = 1-99.	<ul style="list-style-type: none"><li>• (water NEAR2 bottle) means water and bottle separated by a maximum of two words.</li><li>• Captures patent disclosing water bottle, bottle of water, bottle of hot water. However, it will not capture patent disclosing water inside a yellow plastic bottle.</li></ul>
<b>ADJ<sub>n</sub></b>	Use this operator for uni-directional proximity. Proximity of words to one another n # = 1-99.	<ul style="list-style-type: none"><li>• (water ADJ2 bottle) means water (first word) followed by a maximum of two words, followed by bottle (second word).</li><li>• However, the reverse order does not work, as its uni-directional.</li><li>• Capture patent disclosing water bottle, hot water in bottle. However, it will not capture patent disclosing water inside a yellow plastic bottle, or bottle of water.</li></ul>
<b>SAME</b>	Use this operator to identify two keywords within the same paragraph. Bi-directional.	<ul style="list-style-type: none"><li>• (Antimicrobial SAME plastic), will capture patents which contain both antimicrobial and plastic in the same paragraph.</li></ul>

# Important Fields in Derwent Innovation

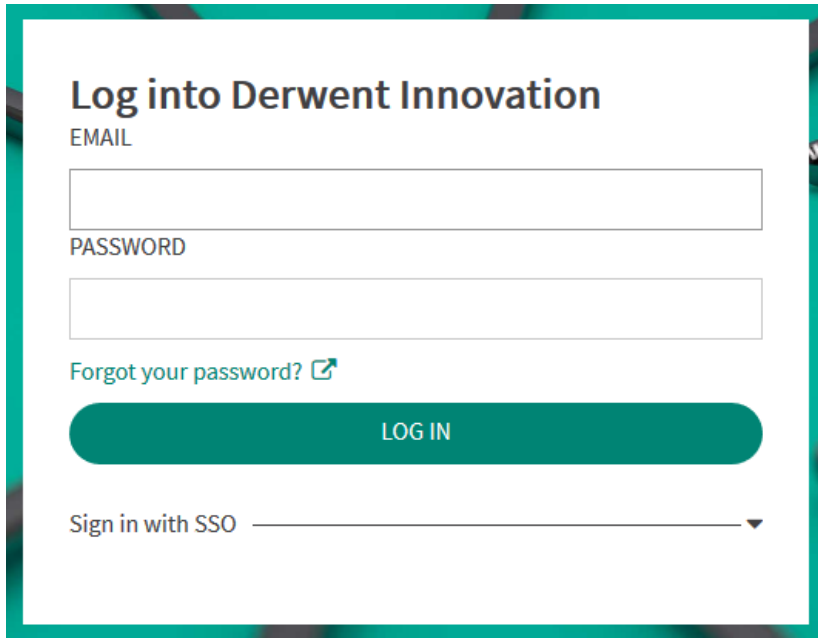
Field	Coverage
<b>Title</b>	Searches in all Titles (including DWPI) in the platform
<b>Title – DWPI*</b>	Searches only in DWPI Title
<b>DWPI Novelty*</b>	Searches only in the DWPI Novelty field which explains the novelty of the invention
<b>DWPI Advantage*</b>	Searches only in the DWPI Novelty field which explains the advantages of the invention
<b>DWPI Use*</b>	Searches only in the DWPI Novelty field which explains the use of the invention
<b>Claims Title Abstract</b>	Searches in Title Original, Abstract Original, Claims, Title DWPI, and Abstract DWPI
<b>All Text</b>	Searches in all text fields (including background, summary, description)
<b>Claims</b>	Searches only in the claims
<b>Publication date</b>	Searches in Publication date of patent
<b>Application date</b>	Searches in Application date of patent
<b>Priority date-Earliest</b>	Searches in First filing (priority application) date of patent
<b>Assignee/Applicant</b>	Patent owner name search
<b>Inventor</b>	Patent inventor name search
<b>Country Code</b>	Patent publication country code

# Basics of Searching

- **Step 1:** Identify the different unique concepts in your search objective.
- **Step 2:** For each concept, identify synonyms.
- **Step 3:** Put all the synonyms in parentheses using OR operator (synonym 1 OR synonym 2 OR synonym 3)
- **Step 4:** Perform step 3 for each concepts.
- **Step 5:** Stitch the concepts together using appropriate operator (NEARn, ADJn, AND) and enclose all concepts with a parentheses.
  - For e.g.  $((\text{concept 1 synonym 1 OR synonym 2 OR synonym 3}) \text{NEAR2} (\text{concept 2 synonym 1 OR synonym 2}) \text{AND} (\text{concept 3 synonym 1 OR synonym 2}))$
- **Step 6:** Select the appropriate field in which you want to run this search:
  - For narrow – run in Title
  - For optimum – run in Claims Title Abstract
  - For broad – run in ALL fields
- **Step 7:** Add any additional limitation for e.g. Country Code, Publication date range, etc., if needed, and run the search.

# Logging in to Derwent Innovation

## Screen 1



Log into Derwent Innovation

EMAIL

PASSWORD

Forgot your password? [↗](#)

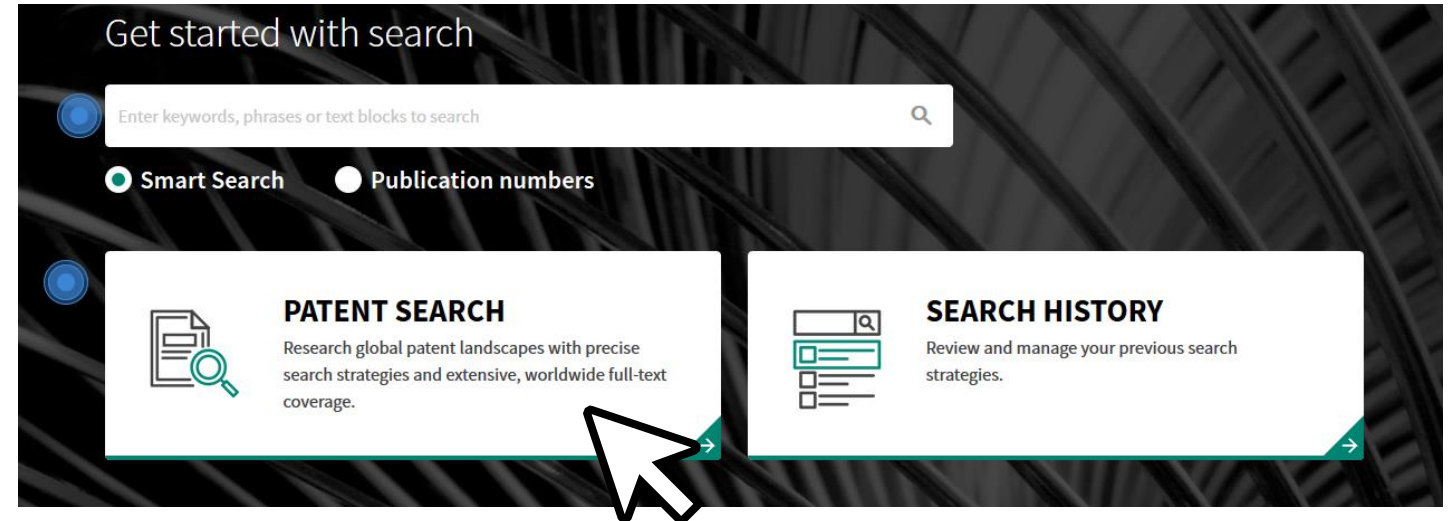
LOG IN

Sign in with SSO [▾](#)

<https://www.derwentinnovation.com/login/>

Use the link to open Derwent Innovation.  
Put in the user ID and password to log in

## Screen 2



Get started with search

Enter keywords, phrases or text blocks to search

Smart Search  Publication numbers

**PATENT SEARCH**  
Research global patent landscapes with precise search strategies and extensive, worldwide full-text coverage.

**SEARCH HISTORY**  
Review and manage your previous search strategies.

Click on Patent Search to start searching

# Searching on Derwent Innovation

Patent search

Publication number

Search template

No template selected

**STEP 1**  
Click on  
Patent Search

Patent collections ⓘ

All authorities with DWPI

**STEP 2**  
Ensure All  
authorities with  
DWPI is selected

Change collections

**STEP 3**  
Select Fielded  
Search

FIELD

ED EXPERT

Search fields

Create a search with your choice of fields and operators (AND, OR, NOT). Need help? Learn [query creation basics](#), or see details for specific fields in the selection menus

Title/Abstract/Claims

(concept 1 OR synonym) AND (concept 2 or synonym) AND (concept 3)

AND OR NOT

Country Code

(IN OR US OR EP OR JP)

AND OR NOT

Publication Date

2015-01-01



to

2020-09-01



- STEP 4**
- Prepare a search string using the concepts discussed in slides # 2-5.
  - You can use the drop-down menu to select different fields.
  - Use the +/- sign to add/delete fields.
  - Ensure use of brackets for each concept.

**STEP 5**  
Click on Search to run the search on the platform

Clear all

Revert

Search

# Analyzing results on Derwent Innovation

○ 2,827 individual records ○ 2,310 DWPI families ○ 2,326 INPADOC families  2,406 application numbers

No filters applied [Filters](#)

**RESULTS** **INSIGHTS**

**STEP 1**  
Make sure to select application numbers

- Scroll through the list to view the result dataset.
- Click on **Highlighting** to add keywords to be highlighted for ease of review.
- Click on **Manage Columns** to add more fields (for e.g. Novelty, Abstract etc.) in this view.
- Click on the publication number that you would like to read in detail.

[Highlighting](#) [Manage columns](#) [Advanced sort](#)

<input checked="" type="checkbox"/>	↑ PUBLICATION NUMBER	↑ IP CASES ⓘ	DWPI TITLE	↑ OPTIMIZED ASSIGNEE	↑ INVENTOR	↑ ASSIGNEE/APPLICANT	↑ PUBLICATION DATE
<input checked="" type="checkbox"/>	<a href="#">CN101034256B</a>	<a href="#">VIEW</a>	Resist pattern thickening material, contains resin, crosslinking agent, and compound having a cyclic structure	FUJITSU LIMITED	OZAWA YOSHIKAZU	FUJITSU LTD	2010-12-29
<input checked="" type="checkbox"/>	<a href="#">US20100222297A1</a>	-	Fungal biomass extract for removal of biocides and other contaminants from food-grade liquids, especially alcoholic beverages	KITOZYME SA	Teissedre Pierre-Louis	KITOZYME SA	2010-09-02
<input checked="" type="checkbox"/>	<a href="#">US20100221382A1</a>	-	Fungal biomass extract for removal of biocides and other contaminants from food-grade liquids, especially alcoholic beverages	KITOZYME SA	Teissedre Pierre-Louis	KITOZYME SA	2010-09-02
<input checked="" type="checkbox"/>	<a href="#">CN1950563B</a>	-	System for treating fabric articles, e.g. clothing, comprises drying appliance and treatment device including source for containing fabric treatment composition and nozzle for dispensing composition in drying appliance	PROCTER & GAMBLE CO.	DUVAL D L	PROCTER & GAMBLE	2010-11-03
<input checked="" type="checkbox"/>	<a href="#">CN1665554B</a>	<a href="#">VIEW</a>	New aminated oligo- or polysaccharide derivatives obtained from heparin, chitosan or chitin, useful for	FREUDENBERG & CO.	HORRES	HEMOTEQ GMBH	2011-05-18

# Reading records on Derwent Innovation

On clicking any publication number, a new record view page would open.

Patent Record View - US20100222297A1

## US20100222297A1

Request expert translation Help

Add to Work file Mark record Watch record Download Translate Highlight Print All documents

### Key summary data

Read the key summary of this record

Patent	Dead	Publication date	2010-09-02
DWPI family	Alive View details	Expiration date	- View factors
INPADOC family	Alive View details	Remaining life	-
Original assignee		Domain Influence	6.33

Jump to Bibliography Abstract Classes/Indexing Legal status Family Claims Description Citations Other Custom fields

### Bibliography

Click to view individual sections

DWPI title ?  
Fungal biomass extract for removal of biocides and other contaminants from food-grade liquids, especially alcoholic beverages

Original Title ?  
CELL WALL DERIVATIVES, THEIR PREPARATION PROCESS, AND USE THEREOF

Optimized Assignee/Ultimate Parent ?

Optimized Assignee	Ultimate Parent
KITOZYME SA	KITOZYME SA

### Images

Click to view Images and Highlights for ease of review

Record 2 of 2406

Navigation: << < 1 2 3 4 5 6 7 > >> Mark > >>

Go to page  Go

Click to read the next record

# Exporting results from Derwent Innovation

2,827 individual records  2,310 DWPI families  2,326 INPADOC families  2,406 application numbers

No filters applied

Filters

RESULTS

INSIGHTS

**STEP 1**  
Make sure to select application numbers

**STEP 3**  
Select format and fields and click on Create

Export

Selected Records(2406)  All Records(2827)

Format: Excel 2007(.xlsx)

Templates

Include:  Highlighting  My terms  Current terms  
 Search query

Fields

Available fields

Find

- Brief
- Biblio
- Biblio+Abstract
- Family Member Report
- Fam Mem & Legal Status Report
- Assignee Report

Export field list

- Publication Number
- Title
- Title - DWPI
- Priority Number
- Priority Number - DWPI
- Priority Date
- Priority Date - DWPI
- Application Number
- Application Date

Create duplicate records for one multi-value field

None

Delivery

Make these my defaults

Cancel

Create

Highlighting

Manage columns

Advanced sort

IP CASES	DWPI TITLE	OPTIMIZED ASSIGNEE	INVENTOR	ASSIGNEE/APPLICANT	PUBLICATION DATE
VIEW	Resist pattern thickening material, contains resin, crosslinking agent, and compound having a cyclic structure	FUJITSU LIMITED	OZAWA YOSHIKAZU	FUJITSU LTD	2010-12-29
-	Fungal biomass extract for removal of biocides and other contaminants from food-grade liquids, especially alcoholic beverages	KITOZYME SA	Teissedre Pierre-Louis		2010-09-02
-	Fungal biomass extract for removal of biocides and other contaminants from food-grade liquids, especially alcoholic beverages	KITOZYME SA	Teissedre Pierre-Louis	KITOZYME SA	2010-09-02
-	System for treating fabric articles, e.g. clothing, comprises drying appliance and treatment device including source for containing fabric treatment	PROCTER & GAMBLE CO.	DUVAL D L	PROCTER & GAMBLE	2010-11-03

Download center: Order status

## ORDER STATUS

Delete

	ORDERED	ORDER ID	ORDER TYPE	ORDER NAME	NUMBER ORDERED	AVAILABILITY	ORDER TOTAL
<input type="checkbox"/>	2020-09-02	28705207	Export	excel2020-09-02-18-56-58	2406	Available now	N/A
<input type="checkbox"/>	2020-09-01	28696268	Export	excel2020-09-01-20-15-57	176	Available now	N/A

**STEP 4**  
Click on Available Now to download the file

**STEP 2**  
Click on Export

Export

Print

Save records

Set alert

# Analyzing insights on Derwent Innovation

2,827 individual records
  2,310 DWPI families
  2,326 INPADOC families
  2,406 application numbers
 No filters applied [Filters](#)

RESULTS INSIGHTS

**STEP 1**  
Make sure to select application numbers. Click on Insights

## STEP 2

Click on any of the **Insights** to expand and view more details around:

- Who are the major players?
- Where has this technology been developed?
- What are my competitors working on?
- How is the technology trending?

RESULTS INSIGHTS

**Who are the major players?**

8% The top assignee, **HUBEI CHINA TOBACCO IND CO LTD** has 8% (1 records) more than their closest competitor, **XIANG ZHUN**.

- HUBEI CHINA TOBACCO IND CO LTD (13)
- XIANG ZHUN (12)
- UNIV JIANGNAN (11)
- BEIJING LVYUANQIUZHENG TECHNOLOGY DEV C...
- Zhejiang Truelove Carpet Industry Technology C...
- SHAO SUYING (10)
- MAANSHAN JUNJUN FOOD TECHNOLOGY CO LT...
- Shanghai Ocean University (9)
- KALEIDO BIOSCIENCES INC (9)
- ZHAN XILIN (9)

**Where has this technology been developed?**

- China
- United States
- EP
- Japan
- WO
- India
- Korea, Republic of
- France
- Germany
- Australia

Countries

**What are my competitors working on?**

10% Overall there are 23 classifications represented making up the top 10% of the technologies in this chart.

- SMOKING ARTICLE, CIGARETTE, TOBACCO, FILTER ROD, WRAPPER, SMOKABLE MATERIAL, PROCESSING INDUS...
- FATTY ACID, FAT, OLIVE, LIPID, VEGETABLE, TRIGLYCERIDE, STILLAGE

**How is the technology trending?**

52% The top technologies in this space are found in 52% of the result set. Large percentages suggest saturation; small percentages suggest diversity.

- CANCER, TREATING, ADMINISTERING, DISORDER, DISEASE, INHIBITOR, PHA...
- NUTRITIONAL, EXTRACT, SUPPLEMENT, DIETARY, LACTOBACILLUS, PROBIOTI...
- CANCER, TREATING, ADMINISTERING, INHIBITOR, DISEASE, DISORDER, PHA...
- COSMETIC, HAIR, SKIN, ORAL CARE, SURFACTANT, EXTRACT, CLEANSING
- COFFEE BEAN, TEA, ROASTING, BREW, CAFFEINE, CHLOROGENIC, ESPRESSO
- NUCLEIC ACID, RNA, CANCER, PROTEIN, ENGINEERED, DISEASE, TREATING
- FEED ADDITIVE, PET FOOD, RUMINANT, SUPPLEMENT, LACTOBACILLUS, BACL...
- CELLULOSE, POLYSACCHARIDE, GLUCAN, CHITOSAN, HYALURONIC ACID, STA...

# Creating Charts on Derwent Innovation

2,827 individual records  2,310 DWPI families  2,326 INPADOC families  2,406 application numbers

No filters applied

Filters

RESULTS

**STEP 1**  
Make sure to select application numbers

Subsearch

Assignee/Inventor

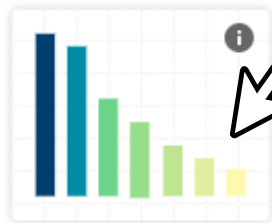
Trends and markets

Classifications

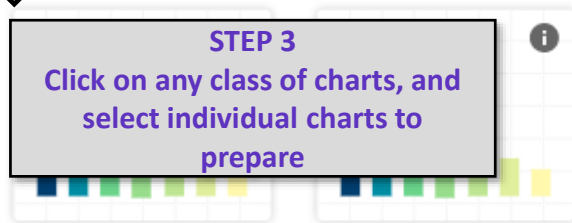
Citations

My Charts

ThemeScape and Text clustering



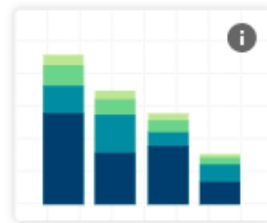
Top assignees



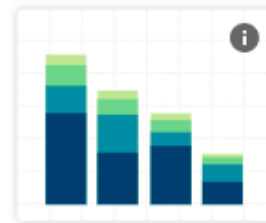
Top Optimized Assignees



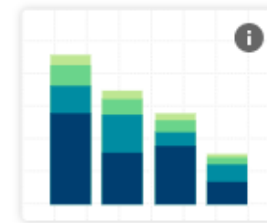
Top Ultimate Parents



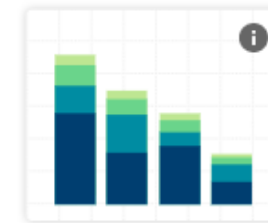
Top assignees by dead/alive



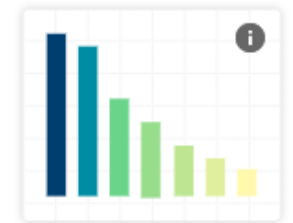
Top assignees by grants/apps/utility models



Top assignees by year



Top countries/regions by assignee



Top inventors

**STEP 3**  
Click on any class of charts, and select individual charts to prepare

2406 records selected

Analyze records

Edit Custom Fields

Watch records

Create order

Save records

Set alert

Save search

Export

Print

**STEP 2**  
Click on Analyze Records

For more information,  
please contact the Librarian  
Email: [librarian@alliance.edu.in](mailto:librarian@alliance.edu.in)