Indian Granted Patents Search Engine:

Current version of search engine is basically a structured search i.e. interface providing pre-defined Indexed fields for searching in the database. This version has been improved over previous so as to provide:

1. Increased no. of fields (No. of Parameters for search are now 14)
2. Combination of Search fields
3. Inclusion of operators
4. Distinct (non-repetitive) results
5. Detailed information of Patents (01/01/1995 onwards)

Quick Notes:

1. All Keywords are considered as case-insensitive by search engine.
2. Search result displays the Patents that are digitized and published u/s 43(2).
3. Data of granted Patents is available since 1912.

User Guide:

Title of Invention/Abstract:

1. SEARCHING SINGLE KEYWORD:

   ➢ Select “CONTAINING” if search is to be performed anywhere in the title/abstract irrespective of proximity. For e.g. type “bacteria” for searching titles having “bacteria/bacterial/anti-bacterial”

   Search would be performed with as well as without truncation of Keyword. Result would include “bacteria”, “bacterial”, “anti-bacterial” etc.

   ![Search Engine Interface](image)

   ![Search Results Table](table)

   ➢ Search Results can be sorted by clicking on the respective header in the result grid.
2. SEARCHING EXCLUDING SINGLE KEYWORD:

- To exclude a keyword anywhere in the title/abstract use “Not Containing”. For e.g. to search Applications having keyword: “Ultra” and not like “Ultraviolet” use:

![Search Interface]

Results would include “Ultra” but would exclude “Violet”:

![Search Results]

3. SEARCHING EXACT TITLE:

- Select “EQUAL TO” if search is to be performed for exact title. For e.g. type “razor blade” for searching title: “razor blade”.

![Search Interface]

Result would show only those titles that are having “razor blade” as whole title.

![Search Results]
4. SEARCHING MULTIPLE KEYWORDS:

- Select “Containing” and type all the keywords that are expected in title/abstract in the search box. For e.g.: 1. To find all the applications having Keywords “Cleaning” AND “Disinfecting” use:

```
A sprayable hard surface cleaning and disinfecting composition
```

All the applications having both Keywords “Cleaning” and “Disinfecting” would be displayed:

<table>
<thead>
<tr>
<th>No.</th>
<th>Application Number</th>
<th>Patent Number</th>
<th>Title of Invention</th>
<th>Date of Filing (National)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2340/CHENP/2005</td>
<td>231222</td>
<td>A sprayable hard surface cleaning and disinfecting composition</td>
<td>21/09/2005</td>
</tr>
<tr>
<td>2</td>
<td>2341/CHENP/2005</td>
<td>221669</td>
<td>Hard surface cleaning and disinfecting compositions</td>
<td>21/09/2005</td>
</tr>
<tr>
<td>4</td>
<td>IN/IPC/2001/1720/CHE</td>
<td>242113</td>
<td>Low residual aqueous hard surface cleaning and disinfecting compositions</td>
<td>06/12/2001</td>
</tr>
<tr>
<td>6</td>
<td>1376/CAL/1998</td>
<td>263262</td>
<td>Blooming type, hard surface cleaning disinfecting compositions</td>
<td>01/03/1998</td>
</tr>
<tr>
<td>7</td>
<td>65/CAL/1976</td>
<td>161232</td>
<td>Device for cleaning or related to a device for draining cleaning and disinfecting fluids</td>
<td>09/01/1978</td>
</tr>
</tbody>
</table>

Note: To search “cleaning” and “disinfecting” irrespective of proximity/order within title/abstract, use the keywords separately by joining the terms with “AND” operator. Results would show both “Cleaning & Disinfecting” and “Disinfecting & Cleaning”.

- e.g.: 2. To find all the applications having Keywords “Bullet” OR “Projectile” use:

```
A sprayable hard surface cleaning and disinfecting composition
```

All the applications either having Keyword “Bullet” or having “Projectile” would be displayed.

<table>
<thead>
<tr>
<th>No.</th>
<th>Application Number</th>
<th>Patent Number</th>
<th>Title of Invention</th>
<th>Date of Filing (National)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1699/MUM/2005</td>
<td>245521</td>
<td>Hollow, least air resistance bullet</td>
<td>13/05/2005</td>
</tr>
<tr>
<td>2</td>
<td>IN/IPC/2001/1828/CHE</td>
<td>205298</td>
<td>Small-caliber deformable projectile and a method for the production of the same</td>
<td>07/11/2002</td>
</tr>
<tr>
<td>3</td>
<td>IN/IPC/2001/1634/CHE</td>
<td>212346</td>
<td>Reduced-contaminant deformable bullet preferably for small arms</td>
<td>07/10/2002</td>
</tr>
<tr>
<td>4</td>
<td>IN/IPC/2001/1200/CHE</td>
<td>201709</td>
<td>Apparatus for delivery of a tranquilizer</td>
<td>07/01/2001</td>
</tr>
<tr>
<td>8</td>
<td>1274/DEL/1991</td>
<td>156925</td>
<td>“BULLET” for a rifled weapon</td>
<td>24/12/1991</td>
</tr>
</tbody>
</table>
Application number:

1. SEARCHING FOR EXACT NUMBER:

- Select “**Equal to**” if exact number of application is known. For e.g. type “345/DELNP/2009” in the search box after selecting “Application Number” & “Equal to” fields.

2. SEARCHING WITH APPLICATION NUMBER PATTERN:

- If actual application number is not known, a pattern search can be performed for e.g. searching “1234/DEL/20” using “**Containing**” operator in “Application Number” would retrieve all the numbers like 1234/DELNP/2001, 1234/DELNP/2002, 1234/DELNP/2003, 1234/DELNP/2004, 1234/DELNP/2005, 1234/DELNP/2006 etc.
Grantee/Inventor Name:

1. **SEARCHING NAME PATTERN:**
   - Applicant’s name can be best searched using main string i.e. main name for e.g. “Microsoft” for Microsoft Corporation /Microsoft Corporation Limited/ Microsoft Corp. Ltd. /Micro Soft Corporation/ etc. using “Containing” operator AND refining the query for further results.

2. **SEARCHING WITH NAME EXCLUSION:**
   - If it is required to exclude some keywords from the Name of Applicant/Inventor then “Not Containing” operator can effectively be used. For e.g. To search Applications filled by “Hindustan Lever Limited” but not by “Hindustan Unilever Limited”, select “Containing” and enter “Hindustan lever” in 1st search box then select “Not Containing” and enter “Unilever” in 2nd search box:

   ![Search Interface](image)

   Displayed results would show Applications filled by “Hindustan Lever Limited” excluding those having the name as “Hindustan Unilever Limited”.

3. **SEARCHING WITH EXACT NAME**
   - If the exact name of the Applicant is known, use the “Equal to” operator to display the result.
Applicant/Inventor Address:

1. **SEARCHING APPLICANT/INVENTOR'S ADDRESS:**

- Applicant’s address can also be best searched using main string i.e. prime expected keyword occurring in the address for e.g. use “Kanpur” for applications having Applicant’s address as “INDIAN INSTITUTE OF TECHNOLOGY KANPUR, KANPUR-208 016”, using “Containing” operator
- Refine the query appropriately for further results.
Date of Filing/Grant/Publication:

1. SEARCHING BETWEEN THE DATES:
   - All the applications that have been filed or granted or published u/s 11A between a particular duration can be retrieved by entering dates in the fields of Date of Filing /Date of Grant /Publication Date, using “Greater Than Equal to” and “Less Than Equal to” operators.

2. SEARCHING WITH EXACT DATE:
   - If exact date is known search can be performed using “Equal to” operator
PCT International Application Number:

1. SEARCHING WITH PATTERN:
   - Applications having PCT international numbers can easily be retrieved using Pattern search. For e.g. Keyword "PCT IN" is sufficient to retrieve all the applications originating from INDIA:

   ![Search Interface](image)

   Results would include all the PCT applications originating from India that are granted:

   ![Application List](image)

   - Further if Keywords are modified to “PCT IN 2005” then results would be displayed for those applications which having filing year as 2005 like:
     
     PCT/IN2005/000123,
     PCT/IN2005/00037,
     PCT/IN2005/000033 etc.

   **Note**: While performing Pattern search correct sequence of order/proximity should be take care of for e.g. Keyword "PCT US" is considered differently from Keyword “US PCT”.

2. SEARCHING WITH EXACT NUMBER:
   - If exact Number is known search can be performed using “Equal to” operator

International Classification Code:

1. SEARCHING WITH PATTERN:
   - If first few characters i.e. section, class, group is entered in the search box; resultant display would include all the applications having IPC containing the given input. For
e.g. F02D would retrieve all the applications relating to Combustion engines having classification code like:
F02D41/04,
F02D 41/06,
F02D23/02,
Etc.

Result:

2. SEARCHING WITH EXACT NUMBER:

➢ If exact IPC is known search can be performed using “Equal to” operator.