

# IPAT

Intelligent Patent Analysis Tool

## Training Manual



**S.A.S. NAGAR**

Patent Retrieval and Analysis Software

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# Tutorial

Welcome to IPAT: a patent data retrieval and analysis tool, which consist of

## IPAT Compiler:

The Compiler extract specific bibliographic patent information into an excel sheet

### Step 1: General

This is the basic phase of brain storming, which involves various steps like understanding the subject matter, problem statement, background of research and keyword extraction

### Step 2: Query String Generation

Collect all the synonyms relating your search Eg: Cancer also includes Anti-Cancer, Chemotherapy, Oncology, Carcinogenic, Neoplasm, Tumour, Metastatic and Malignant etc.

### Step 3: Conceptual Search Strategies

To retrieve most relevant patent documents one can use the various filters present in the advance Google search such as Assignee, Inventor, Publication year and patent code etc. so as to reduce the number of patent count of specific technology

### Step 4: Execute search

Please select the number of patent to retrieve in each page and click **Google Search**.

The screenshot displays the IPAT software interface. At the top, there is a menu bar with 'File' and 'Help'. Below it, the main window is titled 'IPAT Compiler' and 'IPAT Visualizer'. The central part of the interface is a 'Google Advanced Patent Search' form. It includes a search bar with the Google logo and a 'Google Search' button. Below the search bar, there are four radio button options for finding results: 'with all of the words', 'with the exact phrase', 'with at least one of the words', and 'without the words'. To the right of these options is a dropdown menu set to '100 results'. Below the search options, there are four input fields for filtering results: 'Patent number', 'Title', 'Inventor', and 'Original Assignee'. Each field has a description and a sub-field for 'First name, last name, or both'. At the bottom of the form, there are buttons for 'Import', 'Remove\_Duplicates', and 'Reset'. Below the form is a table with the following columns: 'SL\_NO', 'Publication\_No', 'Title', 'Publication\_Type', 'Application\_Numbe', 'Publication\_Date', 'Application\_Date', 'Priority\_Date', 'Also\_Published', and 'Backward\_Citation\_'. The table is currently empty, with a '\*' symbol in the first cell of the first row.

### Step 5: Import data into IPAT Compiler

Once the page is loaded click **Import** button to retrieve the data into IPAT Compiler and it may take some time based on the internet speed (see the progress bar).

Then for retrieving other set of patent document go to next page of Google patents and again click **Import** button and can repeat the process as many number of time for sufficient patent documents to analysis.

### Step 6: Remove Duplicates

Once the page is loaded click **Import** button to retrieve the data into IPAT Compiler grid and for downloading additional data move to second page of Google patents and Import again and in case of mistake click **Remove Duplicates** button to delete duplicates

### Step 7: Save the CSV file

If the sufficient data is retrieved then go to **File** and **Save** the data into your personal computer in **CSV** file. The user are advised to open the **.CSV** file in excel and again save the data into **.XLS** file for performing manual landscape study

### Step 8: For performing new search

To clear the session and perform a new search click **Reset** Button which would open a new window

#### Note:

Please wait until the page is fully downloaded, based on the internet speed it may take a few minutes to download the complete data. So please have patience

The screenshot shows the IPAT Visualizer interface. At the top, there is a search bar with 'CANCER' entered. Below the search bar, the results show 'About 14,100,000 results (0.64 seconds)'. The first result is 'Chromosome 13-linked breast cancer susceptibility gene' with a link to 'www.google.com/patents/US5837492'. Below the search results, there are three buttons: 'Import', 'Remove\_Duplicates', and 'Reset'. At the bottom, there is a table with the following columns: SL\_NO, Publication\_No, Title, Publication\_Type, Application\_Numbe, Publication\_Date, Application\_Date, Priority\_Date, Also\_Published, and Backwi. The table contains 14 rows of patent data.

SL_NO	Publication_No	Title	Publication_Type	Application_Numbe	Publication_Date	Application_Date	Priority_Date	Also_Published	Backwi
1	US5837492 A	Chromosome 13-linked breast cancer susceptibility gene	Grant	US 08/639,501	Nov 17, 1998	Apr 29, 1996	Dec 18, 1995	EP1260520A2; E...	
2	US20130059018...	Phytocannabinoid...	Application	US 13/634,343	Mar 7, 2013	Mar 11, 2011	Mar 12, 2010	CA2792722A1; C...	
3	US6063770 A	Tannic acid com...	Grant	US 09/063,397	May 16, 2000	Apr 21, 1998	Mar 3, 1995	US5773419; US...	6
4	WO2001047561	Hyaluronic acid l...	Application	PCT/CA2000/00...	Jul 5, 2001	Dec 28, 2000	Dec 28, 1999	CA2395493A1; C...	7
5	US7816082 B2	Methods of identi...	Grant	US 12/041,350	Oct 19, 2010	Mar 3, 2008	Mar 6, 2007	US20080261818;	2
6	US6632832 B1	Inhibiting epidem...	Grant	US 10/238,992	Oct 14, 2003	Sep 10, 2002	Sep 10, 2002		5
7	US20060240117...	Snake powder ex...	Application	US 11/336,630	Oct 26, 2006	Jan 20, 2006	Dec 2, 2002		
8	US7651847 B2	Methods of oligos...	Grant	US 11/157,478	Jan 26, 2010	Jun 20, 2005	Jun 22, 2004	CA2571332A1; E...	3
9	WO2000055180	Human lung can...	Application	PCT/US2000/00...	Sep 21, 2000	Mar 8, 2000	Mar 12, 1999	CA2364567A1; C...	
10	US20110123533...	Using EGFRvIII t...	Application	US 12/866,719	May 26, 2011	Feb 12, 2009	Feb 12, 2008	US8753630; WO...	2
11	EP0705902 A1	17q-Linked breas...	Application	EP19950305601	Apr 10, 1996	Aug 11, 1995	Aug 12, 1994	CA2196790A1; C...	23
12	EP2338913 A1	Chromosome 13-l...	Application	EP20100158057	Jun 29, 2011	Dec 17, 1996	Dec 18, 1995	EP1260520A2; E...	21
13	US7160239 B2	Method of break...	Grant	US 10/471,554	Jan 9, 2007	Mar 12, 2002	Mar 12, 2001	CA2440139A1; C...	7
14	US7632814 B2	HYD1 peptides a...	Grant	US 11/852,177	Dec 15, 2009	Sep 7, 2007	Sep 7, 2006	EP2066689A1; E...	5



## IPAT Visualizer

Generate various patent maps from the selected patent portfolio analysis. Once the data is downloaded into Compiler then check the relevant analysis tool and click **Generate Map**

### **The general Analysis Tool include**

1. Assignee Analysis
2. Collaboration Network Analysis
3. Inventor analysis
4. Publication Type
5. Geographical Analysis

### **The Technology Analysis Tool include**

1. IPC: Patent Classification Analysis
2. CPC: Patent Classification Analysis
3. EPC: Patent Classification Analysis
4. US: Patent Classification Analysis

### **The Trend Analysis Tool include**

1. Trend of Priority Year
2. Trend of Application Year
3. Trend of Publication Year
4. Combine Trends

### **The Citation Analysis Tool include**

1. Forward Citation Analysis
2. Backward Citation Analysis
3. Non-Patent Citation Analysis

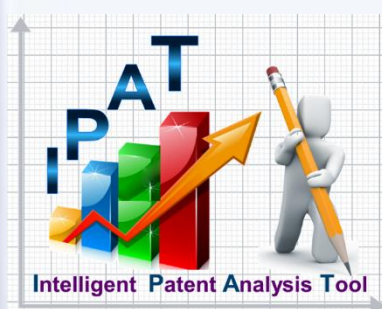


IPAT is a freely accessible user friendly, independent tool compatible for Windows based systems or work stations. Hope you liked it 😊

## References

Please find below a few references which would explain the detail methodology and result of how to perform a Patent Landscape analysis

- ✓ Clearing the fog of anticancer patents from 1993-2013: Through an in-depth technology landscape & target analysis from pioneer research institutes and universities worldwide; [PLoS ONE \(Public Library Of Science\)](#) 2014, 9 (8): e103847
- ✓ Anti-Cancer patent landscape and technology assessment of Indian public funded research institutes and organizations [Expert Opinion on Therapeutic Patents \(Informa Healthcare\)](#) 2014, 24 (8): 893-921.



## Contact Us

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