

# Combining Searches with the Invention Navigator

# DIFFERENT OPTIONS TO COMBINE SEARCHES IN THE INVENTION NAVIGATOR

There are different options to combine searches with the Invention Navigator

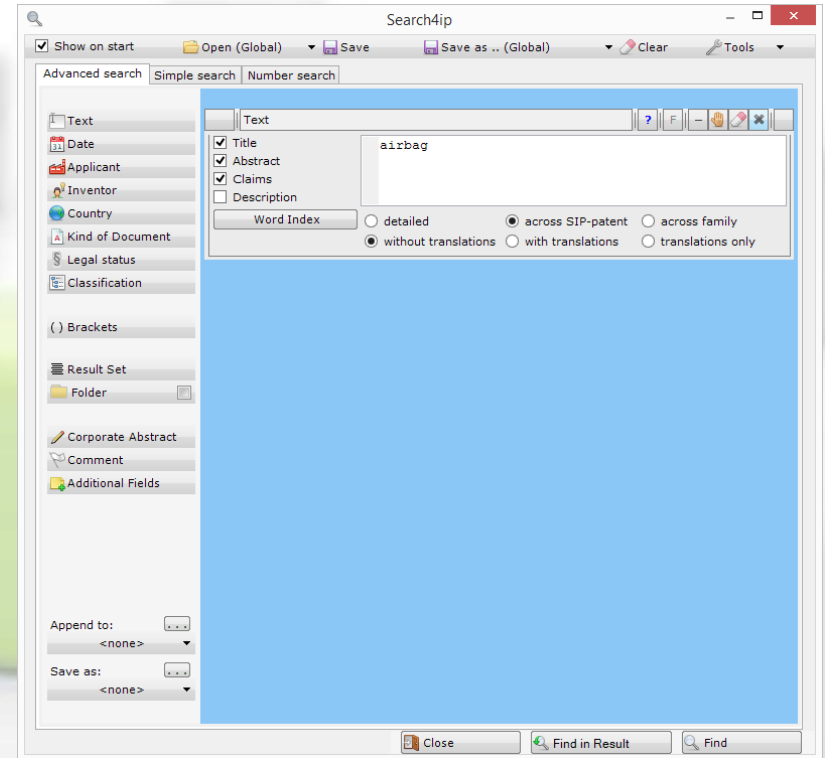
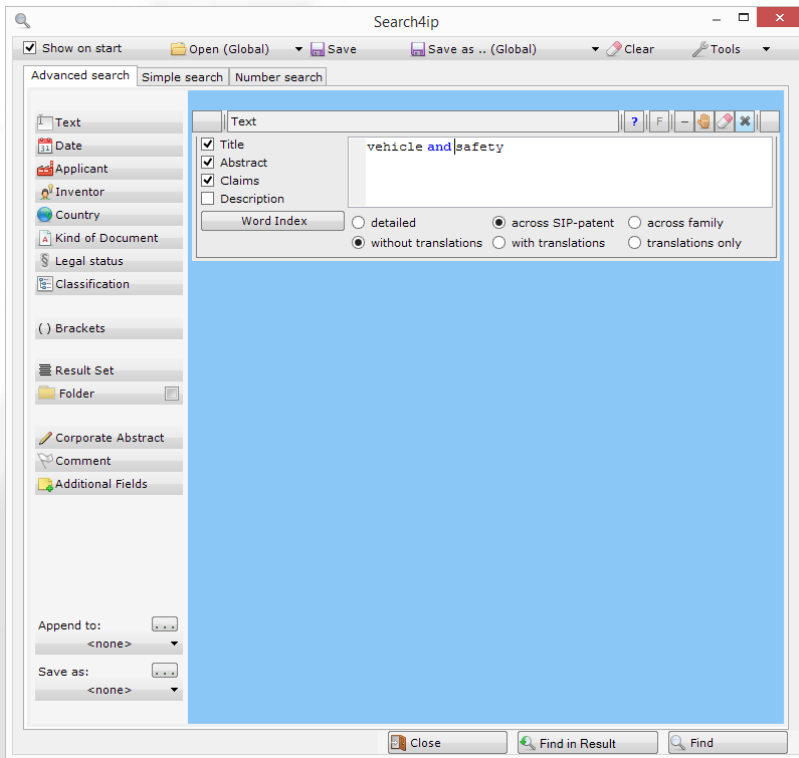
1. Combine searches using saved searches or result lists
2. Combine results using the „Compare“ feature in the history
3. Combine searches/results using drag-and-drop from the history
4. Use the „Combine Results“ feature in the history

## OPTION 1:

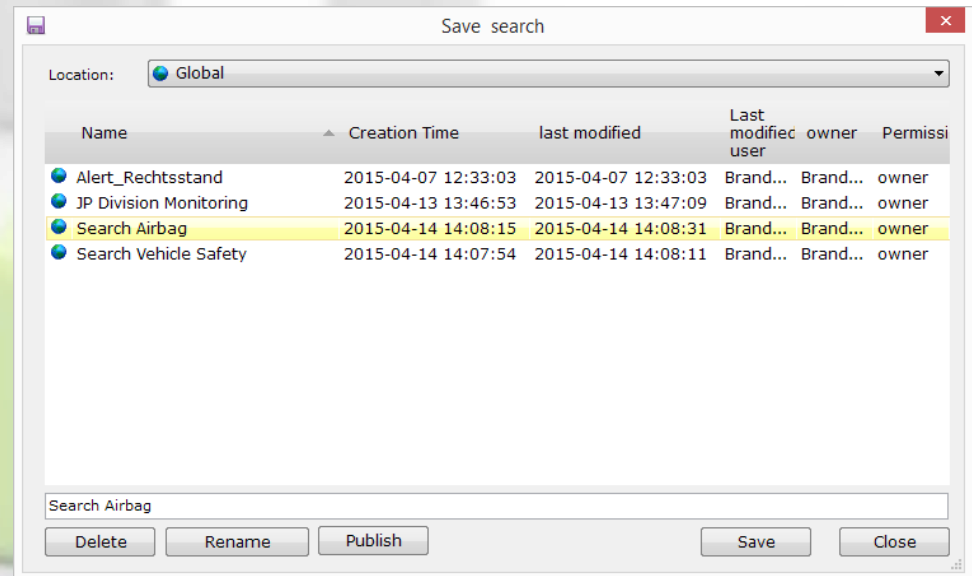
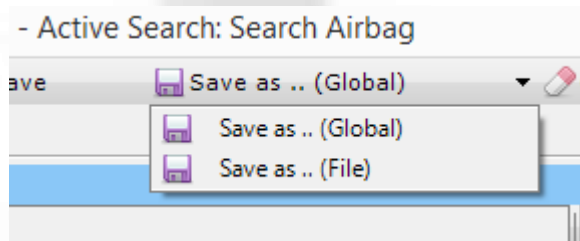
### COMBINE SEARCHES USING SAVED SEARCHES OR RESULT LISTS

- Step 1: Create your search strings
- Step 2: Save your searches (as file or global)
- Step 3: Transfer saved searches to the search mask using drag-and-drop
- Step 4: Combine searches using the Boolean Operators

# STEP 1: CREATE YOUR SEARCH STRINGS



# STEP 2: SAVE YOUR SEARCHES (AS FILE OR GLOBAL)



# STEP 3: TRANSFER SAVED SEARCHES TO THE SEARCH MASK USING DRAG-AND-DROP

The image illustrates the process of transferring a saved search to a search mask in the Search4ip application. It is divided into three main sections:

- Top Left:** A partial view of the application window showing a menu with options like "Open (Global)" and "Open (File)". A large black arrow points downwards from this area.
- Bottom Left:** An "Open search" dialog box displaying a table of saved searches. The "Search Vehicle Safety" entry is highlighted in yellow.
- Bottom Right:** The main "Search4ip - Active Search: Search Airbag" window. The search mask on the right is highlighted in blue. A white arrow labeled "drag-and-drop" points from the highlighted search in the dialog to the search mask.

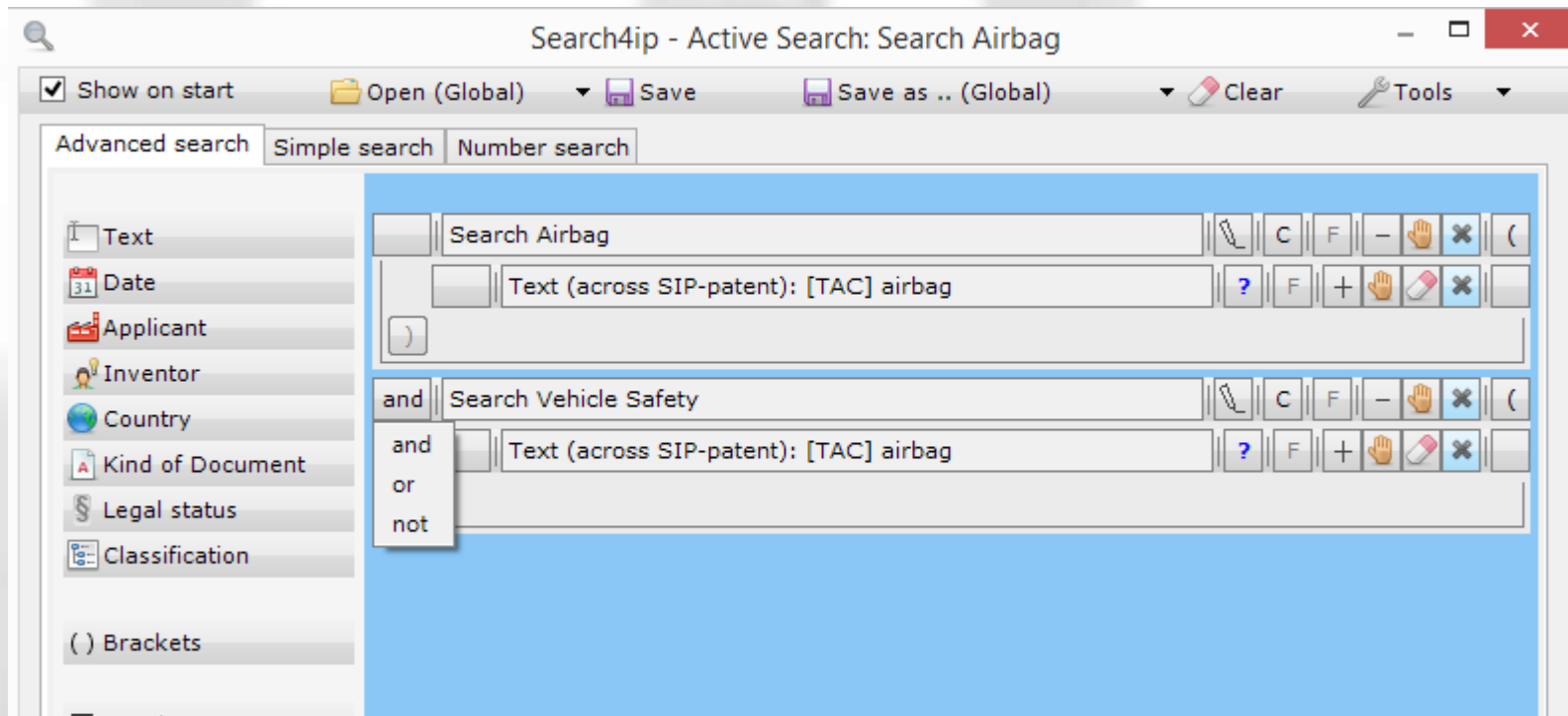
**Open search dialog table:**

Name	Creation Time	last modified	Last modific user	owner	Permissi
Alert_Rechtsstand	2015-04-07 12:33:03	2015-04-07 12:33:03	Brand...	Brand...	owner
JP Division Monitoring	2015-04-13 13:46:53	2015-04-13 13:47:09	Brand...	Brand...	owner
Search Airbag	2015-04-14 14:08:15	2015-04-14 14:08:31	Brand...	Brand...	owner
Search Vehicle Safety	2015-04-14 14:07:54	2015-04-14 14:08:11	Brand...	Brand...	owner

**Main Search Window Search Mask:**

Search Airbag  
Text (across SIP-patent): [TAC] airbag  
and Search Vehicle Safety  
Text (across SIP-patent): [TAC] airbag

# STEP 4: COMBINE SEARCH BLOCKS USING THE BOOLEAN OPERATORS



## OPTION 2:

# COMBINE SEARCHES USING THE „COMPARE“ FEATURE IN THE HISTORY

Every search carried out is saved in the history



Result	Name	Time	Documents	SIP-Patents	Families
R257	Search Legal status: JP A01/-;	2015-03-23 20:41:35	4.318.345	2.112.257	2.018.918
R258	Search Text (detailed): [TAC] fuel and cell	2015-03-24 06:55:24	208.267	138.566	82.392
R259	Search Text (across SIP-patent): [TAC] fuel and cell	2015-03-24 06:55:48	209.449	139.391	82.905
R260	Search Text (across family): [TAC] fuel and cell	2015-03-24 06:56:21	209.449	139.391	82.905
R261	Search Applicant: Takata	2015-03-24 07:40:51	19.120	12.611	5.183
R262	Search Applicant: Takata	2015-03-24 08:04:17	19.120	12.611	5.183
R263	Search R258 or R259	2015-03-24 08:18:39	209.449	139.391	82.905
R264	Result comparison Result No. 259 AND Result No. 263	2015-03-24 08:20:02	209.449	139.391	82.905
R265	Search	2015-03-24 08:43:03	20.162	16.618	15.778

To combine result lists please create a search using Boolean Operators and the result list number like: (R1 or R2) not R3

Combine Result



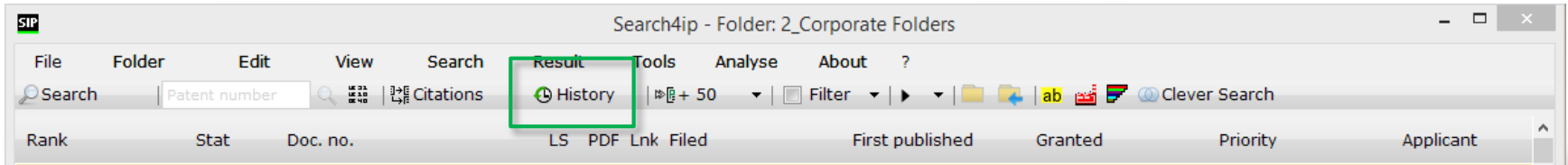
# STEP 1: OPEN A RESULT LIST YOU WOULD LIKE TO COMPARE WITH A DIFFERENT RESULT LIST FROM THE HISTORY

The screenshot shows the Search4ip software interface with a list of patent results. The first result is highlighted in yellow. The interface includes a menu bar (File, Folder, Edit, View, Search, Result, Tools, Analyse, About, ?), a search bar, and a table of results.

Rank	Stat	Doc. no.	LS	PDF	Lnk	Filed	First published	Granted	Priority	Applicant
1		AR 674 A1	§P	PDF	Lnk	1996-02-27	1997-07-10	-	1995-04-01	VAW ALUMINIUM A G
<b>Perfil de sujeción de airbags</b> El perfil de sujeción de <b>airbags</b> compuesto de una pieza de caja con por lo menos dos lados de perfil, que está integrado en un cockpit y que aloja un portador de generador. Para esto se ha desarrollado un diseño del perfil típicamente sencillo pero sumamente efectivo, de tal manera que bajo las relaciones espaciales limitadas en caso de un no accionamiento de un <b>airbags</b> se pueda garantizar una protección óptima del ocupante. Esto se alcanza dado que el perfil de sujeción del <b>airbags</b> presenta una capacidad de absorción de choques incrementada en por lo menos uno de los lados del perfil en la zona entre el portador del generador y el cockpit.										
2		AR 47961 A1	§G	PDF	Lnk	2005-01-31	2006-03-15	-	2005-01-31	VOLTOLINI NORBERTO.
<b>AUTOMOVIL CON MANUBRIO</b> Es un vehículo de cuatro ruedas, biplaza, convertible. Usa un dispositivo, que por medio del trabajo de sus engranajes, reduce los giros (comparativamente) de 900s que generalmente utiliza un volante a los 90s que aproximadamente necesita el manubrio, además de aumentar la fuerza de palanca del manubrio sin modificar la caja de dirección hidráulica (pinon y cremallera) que equipan estos chasis (más motor, transmisión, suspensiones etc.). El manubrio, se ubica en el centro a la misma altura del volante, pero en el centro, dispone de acelerador en puno derecho y luces en el izquierdo reformulando y acotando el centro del habitáculo disponiendo en línea asientos, con separación de piernas (izquierda y derecha), respaldo y apoya cabezas, con cinturones de seguridad y <b>airbag</b> . Posee parabrisas con parantes, dos puertas, barra antivuelcos, barras laterales. El acotamiento permite										
3		WO 200187674 A1	§P	PDF	Lnk	2001-05-17	2001-11-22	-	2000-05-17	TSHANK ANDREAS
<b>INNENVERKLEIDUNG FÜR EIN KRAFTFAHRZEUGTEIL, INSBESONDERE FÜR EINEN HOLM ODER EINE SÄULE</b> Die Erfindung betrifft eine Innenverkleidung für ein Kraftfahrzeugteil, insbesondere für einen Holm oder eine Säule, wobei entlang des Kraftfahrzeugteils zumindest ein Teil eines <b>Airbag</b> -Moduls eines Schutzsystems im nicht aktivierten Zustand untergebracht ist. Die Verkleidung besteht aus zumindest zwei Teilen, von welchen das eine Verkleidungsteil (5) das zweite Verkleidungsteil (6) in einem Verbindungsbereich überdeckt, an dem die beiden Verkleidungsteile (5, 6) auf von aussen nicht sichtbare Weise miteinander lösbar verbindbar sind. Das überdeckende Verkleidungsteil (5) ist im Auslösefall des <b>Airbags</b> unter Lösen der Verbindbar wegbewegbar.										
4		AT 410777 B	§P	PDF	Lnk	1998-06-15	2002-12-15	2003-07-25	1998-06-15	HIRTENBERGER PRAEZ.
<b>AIRBAGSYSTEM FÜR EIN KRAFTFAHRZEUG</b> The invention relates to an <b>airbag</b> system for a motor vehicle, comprising an air bag (2) that is inflated with gas by means of a filling device after a sensor has been triggered and which advances into the passenger compartment (7) of the motor vehicle. The safety sensor has an electrode (7) that is arranged on the front face (8) of the air bag (2) and a counter electrode (19) that is formed by the extremity of the passenger that is closest to the front face (8) of the air bag (2) on the ground potential. Said sensor enables safety-related variables such as distance and/or speed of approach between the extremity of the passenger and the front face (8) of the unfolding air bag (2) to be determined or measured capacitatively.										
5		AT 316023 T	§P	PDF	Lnk	2001-03-02	2006-02-15	2006-02-15	2000-03-15	

At the bottom of the window, there is a status bar: "Not relevant: 0 Read: 0 Unread: 50 Result: 85.395 Documents; 55.391 SIP-Patents; 33.437 Families Loaded: 50 Displayed: 50".

# STEP 2: OPEN THE HISTORY



The screenshot shows the "History" window, which displays a list of search sessions. The window has a title bar "History" and a close button. Below the title bar, there are "Session" and "View" dropdown menus. The main content is a table with the following columns: "Result", "Name", "Time", "Documents", "SIP-Patents", and "Families". The table contains 11 rows of search history. At the bottom of the window, there is a text instruction: "To combine result lists please create a search using Boolean Operators and the result list number like: (R1 or R2) not R3". Below this text is a "Combine Result" button.

Result	Name	Time	Documents	SIP-Patents	Families
R257	Search Legal status: JP A01/-;	2015-03-23 20:41:35	4.318.345	2.112.257	2.018.918
R258	Search Text (detailed): [TAC] fuel and cell	2015-03-24 06:55:24	208.267	138.566	82.392
R259	Search Text (across SIP-patent): [TAC] fuel and cell	2015-03-24 06:55:48	209.449	139.391	82.905
R260	Search Text (across family): [TAC] fuel and cell	2015-03-24 06:56:21	209.449	139.391	82.905
R261	Search Applicant: Takata	2015-03-24 07:40:51	19.120	12.611	5.183
R262	Search Applicant: Takata	2015-03-24 08:04:17	19.120	12.611	5.183
R263	Search R258 or R259	2015-03-24 08:18:39	209.449	139.391	82.905
R264	Result comparison Result No. 259 AND Result No. 263	2015-03-24 08:20:02	209.449	139.391	82.905
R265	Search	2015-03-24 08:43:03	20.162	16.618	15.778

To combine result lists please create a search using Boolean Operators and the result list number like: (R1 or R2) not R3

Combine Result

# STEP 3: SELECT A HISTORY ENTRY AND CLICK ON „COMPARE“

History

Result	Name	Time	Documents	SIP-Patents	Families
R279	Patent number: WO 2015028014	2015-03-24 13:05:54	1	1	1
R280	Search Text (across SIP-patent): [TAC] hair and shampoo	2015-03-25 07:08:27	15.677	10.747	6.644
R281	Search Text (across SIP-patent): [TAC] hair and shampoo	2015-03-25 07:09:51	-	0	-
R282	Search Text (across SIP-patent): [TAC] airbag	2015-03-25 08:30:57	57.877	39.182	23.438
R283	Search Text (across SIP-patent): [TAC] airbag	2015-03-25 08:43:08	57.877	39.182	23.438
R284	Patent number: EP 123456	2015-03-25 10:04:24	3	1	1
R287	Search Text (across SIP-patent): [TAC] stahl	2015-03-26 08:54:42	150.900	107.820	84.986
R288	Suche	2015-03-26 11:16:40	6.841.602	4.352.800	2.654.169

To combine result lists please create a search using Boolean Operators and the result list number like: (R1 or R2) not R3

Combine Result




# STEP 4: SELECT THE DIFFERENT OPTIONS HOW TO COMBINE THE RESULTS

Compare Result

The screenshot shows a window titled "Compare Result" with a close button in the top right corner. It contains five panels illustrating different ways to combine result sets:

- OPEN:** A single blue circle with a document icon and a mouse cursor with a plus sign.
- OR:** Two overlapping blue circles, both containing a document icon. A mouse cursor with a plus sign is positioned over the right circle.
- AND:** Two overlapping circles. The left circle is blue and contains a document icon. The right circle is grey. A mouse cursor with a plus sign is positioned over the right circle.
- NOT (left):** Two overlapping circles. The left circle is blue and contains a document icon. The right circle is grey. A mouse cursor with a plus sign is positioned over the left circle.
- NOT (right):** Two overlapping circles. The left circle is blue and contains a document icon. The right circle is grey. A mouse cursor with a plus sign is positioned over the right circle.

legend

-  currently displayed result set
-  dragged in results, lists, searches, numbers,...
-  the new result set

# ALSO USE DRAG-AND-DROP TO COMPARE A HISTORY ENTRY WITH AN OPENED RESULT LIST

The screenshot displays the SIP software interface. On the left, a 'History' table lists search results. A callout box labeled 'Drag-and-drop' points to the 'Open' button in the row for result R283. The main window shows a detailed view of a patent entry for 'Perfil de sujeción de airbags' (AR 674 A1). Below this, a 'Compare Result' dialog box is open, showing five Venn diagrams for comparison operations: OPEN, OR, AND, NOT, and NOT. A legend below the diagrams explains the symbols used in the diagrams.

Session	View	Name	Time	Documents	SIP-Patents	Families
R279	Patent number:	WO 2015028014	2015-03-24 13:05:54	1	1	1
R280	Search	Text (across SIP-patent): [TAC] hair and shampoo	2015-03-25 07:08:27	15.677	10.747	6.644
R281	Search	Text (across SIP-patent): [TAC] hair and shampoo	2015-03-25 07:09:51	-	0	-
R282	Search	Text (across SIP-patent): [TAC] airbag	2015-03-25 08:30:57	57.877	39.182	23.438
R283	Search	Text (across SIP-patent): [TAC] airbag	2015-03-25 08:30:57	57.877	39.182	23.438
R284	Patent number:	EP 123456				
R287	Search	Text (across SIP-patent): [TAC] stahl	2015-03-26 08:54:42	150.900	107.820	84.986
R288	Suche		2015-03-26 11:16:40	6.841.602	4.352.800	2.654.169

**Compare Result**

Legend:

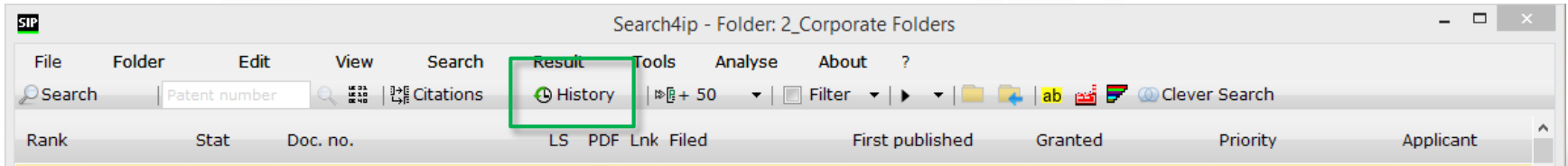
- currently displayed result set
- dragged in results, lists, searches, numbers,...
- the new result set

## OPTION 3:

### COMBINE SEARCHES/RESULTS USING DRAG-AND-DROP FROM THE HISTORY

- Step 1: Open the history
- Step 2: Select a search or result set
- Transfer the search / result set to the search mask using drag-and-drop
- Combine your query using Boolean Operators

# STEP 1: OPEN THE HISTORY



The screenshot shows the "History" window, which displays a list of search sessions. The table has the following columns: Session, View, Result, Name, Time, Documents, SIP-Patents, and Families. The data is as follows:

Session	View	Result	Name	Time	Documents	SIP-Patents	Families
R257		Search	Legal status: JP A01/-;	2015-03-23 20:41:35	4.318.345	2.112.257	2.018.918
R258		Search	Text (detailed): [TAC] fuel and cell	2015-03-24 06:55:24	208.267	138.566	82.392
R259		Search	Text (across SIP-patent): [TAC] fuel and cell	2015-03-24 06:55:48	209.449	139.391	82.905
R260		Search	Text (across family): [TAC] fuel and cell	2015-03-24 06:56:21	209.449	139.391	82.905
R261		Search	Applicant: Takata	2015-03-24 07:40:51	19.120	12.611	5.183
R262		Search	Applicant: Takata	2015-03-24 08:04:17	19.120	12.611	5.183
R263		Search	R258 or R259	2015-03-24 08:18:39	209.449	139.391	82.905
R264		Result comparison	Result No. 259 AND Result No. 263	2015-03-24 08:20:02	209.449	139.391	82.905
R265		Search		2015-03-24 08:43:02	20.162	16.618	15.778

At the bottom of the window, there is a text box with the instruction: "To combine result lists please create a search using Boolean Operators and the result list number like: (R1 or R2) not R3". Below this text box is a "Combine Result" button.

# STEP 2: OPEN A SEARCH MASK AND USE DRAG-AND-DROP TO TRANSFER RESULT SETS /SEARCHES TO THE SEARCH MASK

The screenshot displays two windows from the SIP software. The top window, titled 'History', shows a table of search results. The bottom window, titled 'Search4ip', shows the search mask configuration interface.

**History Window:**

Result	Name	Documents	SIP
R318	Search	58.053	
R319	Search Applicant: Takata	19.151	12.635
R320	Result comparison Result No. 272 NOT Result No. 283	27.464	16.209

**Search4ip Window:**

Advanced search | Simple search | Number search

Result Set: R319

and Applicant: Takata

Options:  EPO standard,  original name,  SIP standard,  Grouping

Selected:  Enter name,  EPO standard,  original name,  INPADOC

**Annotations:**

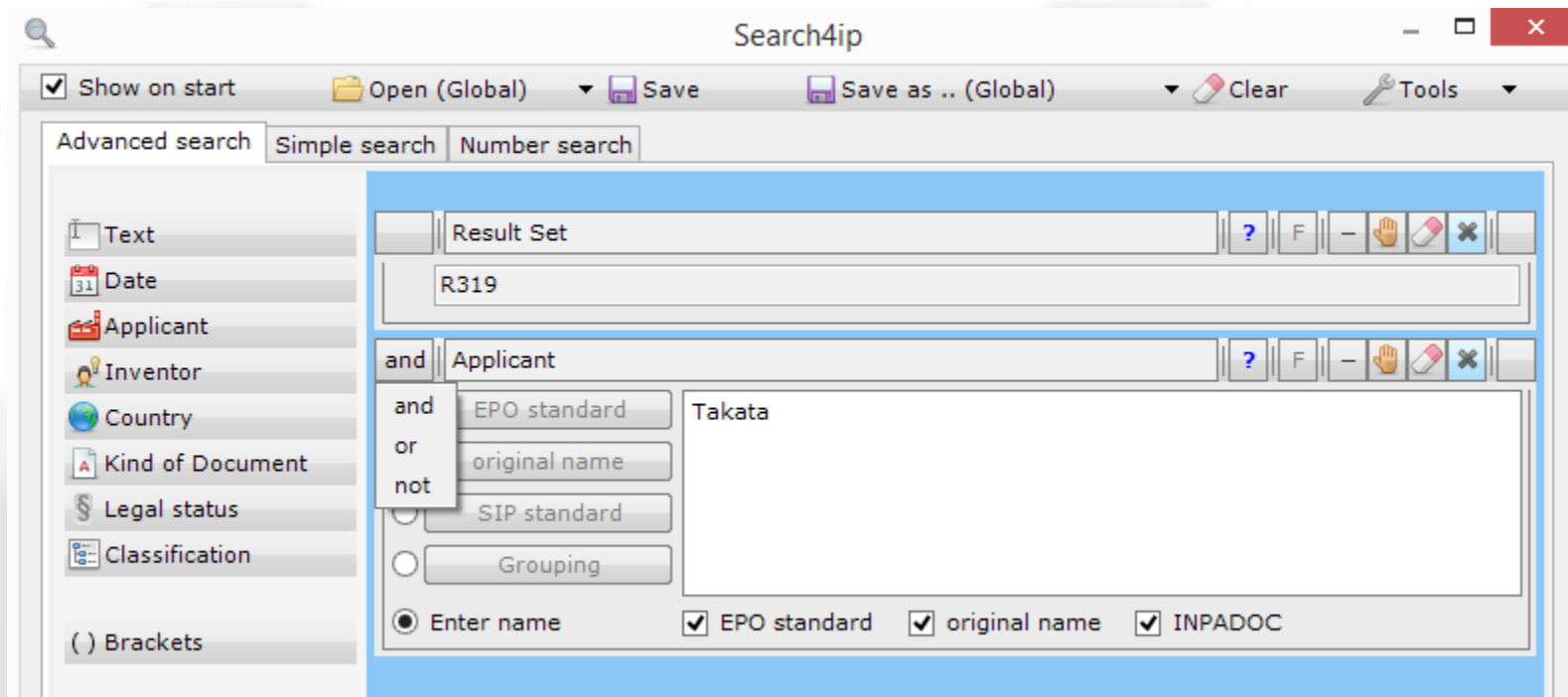
- Apply cursor here to transfer result set to search mask (points to R319 in the History table)
- Apply cursor here to transfer search query to search mask (points to the Applicant field in the Search4ip window)

**Text Box:**

To combine result lists please create a search not R3



# STEP 3: COMBINE THE SEARCH BLOCKS USING THE BOOLEAN OPERATORS

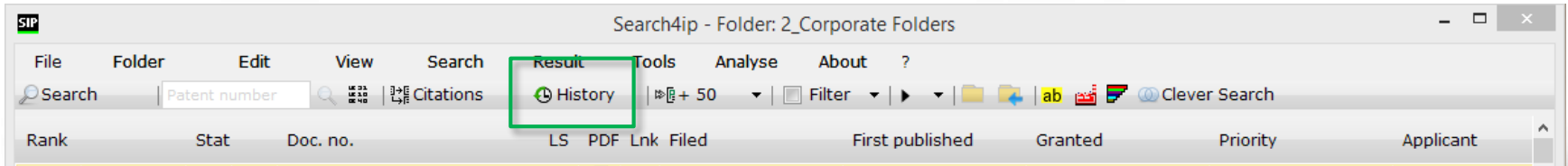


## OPTION 4

### USE THE „COMBINE RESULTS“ FEATURE IN THE HISTORY

- Step 1: Open the History
- Step 2: Enter the result list numbers linked with Boolean Operators
- Step 3: Click „Combine Result“

# STEP 1: OPEN THE HISTORY



The screenshot shows the "History" window in Search4ip software. The window title is "History". The table below lists search results with columns for Session, View, Result, Name, Time, Documents, SIP-Patents, and Families. The results are as follows:

Session	View	Result	Name	Time	Documents	SIP-Patents	Families
R257	Search	Legal status: JP A01/-;		2015-03-23 20:41:35	4.318.345	2.112.257	2.018.918
R258	Search	Text (detailed): [TAC] fuel and cell		2015-03-24 06:55:24	208.267	138.566	82.392
R259	Search	Text (across SIP-patent): [TAC] fuel and cell		2015-03-24 06:55:48	209.449	139.391	82.905
R260	Search	Text (across family): [TAC] fuel and cell		2015-03-24 06:56:21	209.449	139.391	82.905
R261	Search	Applicant: Takata		2015-03-24 07:40:51	19.120	12.611	5.183
R262	Search	Applicant: Takata		2015-03-24 08:04:17	19.120	12.611	5.183
R263	Search	R258 or R259		2015-03-24 08:18:39	209.449	139.391	82.905
R264	Result comparison	Result No. 259 AND Result No. 263		2015-03-24 08:20:02	209.449	139.391	82.905
R265	Search			2015-03-24 08:13:03	20.162	16.618	15.778

To combine result lists please create a search using Boolean Operators and the result list number like: (R1 or R2) not R3

Combine Result

# STEP 2: ENTER THE RESULT LIST NUMBERS LINKED WITH BOOLEAN OPERATORS

Session	View	Result	Name	Time	Documents	SIP-Patents	Families
		R315	Patentnummer WO 2008121209 A1;	2015-04-14 10:23:18	73	50	50
		R316	Patentnummer WO 2008121209 A1;	2015-04-14 10:23:44	73	50	50
		R317	Suche -	2015-04-14 11:04:37	73.272	51.864	43.798
		R318	Search -	2015-04-14 14:16:33	58.053	39.300	23.531
		R319	Search Applicant: Takata	2015-04-14 14:29:11	19.151	12.635	5.198
		R320	Result comparison Result No. 272 NOT Result No. 283	2015-04-14 14:39:49	27.464	16.209	13.764

To combine result lists please create a search using Boolean Operators and the result list number like: (R1 or R2) not R3

(R319 or R318) not R317

Combine Result

## STEP 2: CLICK „COMBINE RESULT“

To combine result lists please create a search using Boolean Operators and the result list number like: (R1 or R2) not R3

(R319 or R318) not R317

Combine Result

If you have any further questions, please don't  
hesitate to contact us.

Find additional information regarding the  
combination of searches and result lists on our  
Online Help:

<http://patentfamily.com/help/index.php?id=493>

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