How-To Series:

Understanding and utilizing Segment (Field) searching & Boolean syntax

Welcome to another in the continuing series of LexisNexis TotalPatent task-based "how to" tutorials. This cheat sheet is the written accompaniment to the tutorial covering how to understand and utilize Segment (Field) searching & Boolean syntax.

Segment or field searching within TotalPatent encompasses 2 things – restricting searching to particular component sections of the document and/or particular individual items within a document, and these are done from different places within the Search Form.

Let's look at section restrictions first. On all 3 Search Forms – Guided, Advanced & Semantic – you will see a drop down box just above the search box that will offer you several options:

TotalPaten	TM New CPC effective January 2013	
Search Documen	t Retrieval History & Alerts Analytics Wor	k Folders
Guided Search	Advanced Search Semantic Search Notes Se Search Within Ful Text (ncl Bblo.) Ful Text (ncl Bblo.) Tide, Abstach, or Claims	arch P Search Reset form Syntax Converter
	Title or Abstract Title Claims e.a., (plastic OR rubber OR acrylic) AND (pump OR	inflat!)
	View Search Operators Help View Searchable Field	

The default is Full Text, which includes the entire text of the patent. You can also choose to restrict searching within the Title, Abstract and Claims sections; Title and Abstract; just the Title or just the Abstract. You would still need to build your Boolean search query to apply within the section you designate to search, which we will be covering shortly.

If you choose just the title or just the claims you would not employ any additional segments within your search syntax as you would have already restricted your search to a single segment of the document.

If you choose Title, Abstract and Claims or Title and Abstract you may further restrict within your search syntax which terms you want to search within each of those sections. The majority of segment searching, however, is done when choosing Full Text as this opens up for use the entire range of segment searching options.

Segment searching can be done in one of 2 ways – first via a template included in the Advanced and Semantic Search Forms there are over a dozen frequently used segments that can be chosen and incorporated into the search syntax:

Restrictions	Select Field	•	
	e.g., LexisNexis OR Re	ed Elsevier	
	AND		
	Select Field	•	
	Select Field	Elsevier	
	Application Date		More
	Application Number		
	Assignees/Applicants		
Authorities 🛅	Assignees (Normalized) CPC		
Major Full Text	ECLA ICO	thorities	
	Inventors IPC		GB 🗹 CA
	JPC (FI)		
Other Full Text	JPC (F-Term)	horities	
	Patent Citation Priority Date	1 selected: RU	
	Priority Number		
Bibliographic and	Publication Country	abstract authorities	
Abstract	Publication Number		
AUSTIGL	Publication Kind Code USPC	None selected	

Second, there is a link under the search box on the Advanced Search Form labeled **View Searchable Fields** that will open a help document listing A-Z the entire set of fields available to restrict your search to using the format FIELD NAME(search terms):

# Back Home Index User Guide Tutorials Contact				
Field Name	TotalPatent® Syntax	Search Hints	Search Examples	Finding Variations of a Word Formatting a publication number
Abstract	 Abstract() Abst() Ab() 	Searches anywhere in the Abstract section of a patent	Abstract(collapsible bicycle frame) Abst(collapsible bicycle frame) Ab(collapsible bicycle frame)	encode and exploring Consentration Processor's encode and exploration of the encoded and exploration encoded and exploration of the encoded and exploration encoded and exploration of the encoded and exploration encoded and exploration of the encoded and
Abstract, English	 English-Abstract() English-Abst() AE() 	Bearches the Abstract section in English only	English-Abstract(collapsible bicycle frame) English-Abst(collapsible bicycle frame) AE(collapsible bicycle frame)	
Abstract, French	 French-Abstract() French-Abst() AF() 	Searches the Abstract section in Prench only	 French-Abstract(matière plastique renforcée) French-Abst(matière plastique renforcée) AF(matière plastique renforcée) 	
Abstract, German	German-Abstract() German-Abst() AG()	Searches the Abstract section in German only	German-Abstract(Aldivierung des Gasgenerators) German-Abst[Aldivierung des Gasgenerators) AG(Aldivierung des Gasgenerators)	
Abstract, Spanish	 Spanish-Abstract() Spanish-Abst() AS() 	Searches the Abstract section in Spanish only	 Spanish-Abstract(materiales plásticos) Spanish-Abst(materiales plásticos) 	

Note that there are over 100 fields that can be searched – given the breadth of patent authorities offered on TotalPatent some fields will be related to specific authorities.



Multiple segments can be included in the same search simply by linking them together with Boolean connectors such as AND or OR:

Guided Search	Advanced Search Semantic Search Not	es Search
Search Terms	Search Within FullText (Incl. Biblo.) 💌 examiner(klein) and US-CI(257)	Search Reset form Syntax Converter
	e.g., (plastic OR rubber OR acrylic) AND (pum View Search Operators Help View Searchable	

Speaking of Boolean, let's now shift to talk about connectors and other search operators that can be utilized in constructing search syntax. Clicking on the **View Search Operators Help** link to the immediate left of the **View Searchable Fields** link will open a document with a wealth of information in it:

	Dita
• Back Home Jodex User Guide Tutoriale Contact	
= Back Home Index User Guide Tutorials Contact	<u>ن</u> ۵۰/۲
Using Search Connectors and Commands	3 Overviews
Search connectors are the logic words used to help narrow a search, such as AND, DR, Win, by defining relationships between your search terms. Search commands provide additional search options, such as ALCAPS and ATLEAST, which allow you to get more precise results from your search.	Assignee and Inventor Lookup Tools Overview of Advanced Search form Overview of Quided Search form
If your search contains a mixture of connectors, LexiaNexis TotalPatent® processes them in a specific order:	Overview of Guided Search form TotalDatext8 Tutorials
1. OR 2. W/A. 108//A. NOT W/A	 What happens when more than 3,000 results are retrieved?
2. W/n, PRE/n, NGT W/n 3. W/n	Why Use the Advanced Search Form?
3. W/s	 Why Use the Guided Search Form?
4. Wp 5. AND	M Hew Do L?
6. AND NOT	· Create a Basic Terms & Connectors Search
Note:	* Find the most recent document available
You cannot use the W/p and W/s connectors with a proximity connector (e.p., W/2).	for a given country • Limit Ny Search to a Specific Date Range
If you use the same connector more than once in your search string, the connectors operate from left to right. If the n (number) connectors have different numbers, the smallest umber is operated on first. For example, the connectors in the following search string are operated on in the marter described below:	 Look up a normalized assignee to add to my search
device W/25 inflat! AND plastic CR rubber CR acrylic W/10 injur!	 Look up a subsidiary company to add to my search
1. OR has the highest priority, so it operates first and creates a unit of 'plastic OR rubber OR acrylic'.	 Look up an assignee or inventor to add to my search
 W/10, the smaller of the W/n connectors, ties together the term "injury" with the previously formed unit of "plastic OR rubber OR acrylic". 	* Search English Machine Translations
 W/25 operates next and creates a unit of "device W/25 inflatt". 	 Use the syntax converter
 AND, with the lowest priority, operates last and links the units formed in the second and third bullets above. 	M Deference Material
The following articles provide descriptions and examples for each connector and command.	
3 ALLCAPS Command	Authority Coverage Information Finding Plural Words
a AND Connector	Finding Proper Nemes
2 AND NOT Connector	 Finding Variations of a Word
ATUEAST Command	 Formatting a publication number
Q CAPS Command	How are Multiple Connectors Processed?
Home > All Absult > Guided and Advanced Searching > Using Search Connectors and Commands	More

This document will give you an overview of all the connectors and examples showing how they operate. Additionally there are links on the right-hand side to additional search resources, including how to create a basic search, authority coverage, etc.

Thank you for reading this cheat sheet. We hope it was helpful. Please visit our library for a wide range of tutorials on LexisNexis PatentOptimizer and LexisNexis TotalPatent at http://www.lexisnexis.com/ip-training-resources/.

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