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:

TotalPatent™ New CPC effective January 2013					
Search Document	Retrieval History & Alerts Analytics Work Folders				
Guided Search A	Ivanced Search Semantic Search Notes Search				
Search Terms	Search Within Full Text (ncl. Biblo.)	P Search Reset form Syntax Converter			

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	CN V JP KR V DE V FR V	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 Kind Code	None selected	
	USPC		

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):

Field Name         Field Name Stripping         Search Name           Attention         - A damation - A damati	Search Examples  Abstract(collepsible bicycle frame)  Abstract(collepsible bicycle frame)	<ul> <li>Formatting a publication number</li> <li>How are Multiple Connectors Processed?</li> </ul>
Aberead         • Aberead • Alexa (Alexa)         Searches anywhere ih e Alexa station of a patert • Alexa (Alexa)           Aberead, Fultion         • English-Initiagi • English-Initiagi • Alexa         Searches de Alexa station in Deglish ruly • Alexa (Alexa)           Aberead, Family • Alexa (Alexa)         • English-Initiagi • English-Initiagi • Alexa (Alexa)         Searches de Alexa station in Parch Inity • Alexa (Alexa)           Aberead, Bermanin • Alexa         • German-Alexa) • Alexa         Searches de Alexa station in Germa Inity • Alexa	Abstract(collapsible bicycle frame)     Abst/collapsible bicycle frame)	How are Multiple Connectors Processed?
a Alarsol, Diglini, Alarsol,         Searches the Alarsol section in Diglini only in Diglini Alarsol,           Alarsol, Diglini,         Searches the Alarsol section in Diglini only in production           Alarsol, Freuch         Searches the Alarsol section in Diglini only in production           Alarsol, Freuch         Searches the Alarsol section in Diglini only in production           Alarsol, Searches         Searches the Alarsol section in German suly in Alarsol	<ul> <li>Abst(collapsible bioscle frame)</li> </ul>	<ul> <li>Key to Authority Abbreviations</li> </ul>
Image: Augo         Forgation Allering of the Allering Section in English only           Sections, English         Forgation Allering of the Allering Section in English only           Sections, Forgation         Forgation Allering of the Allering Section in English only           Sections, Forgation         Forgation Allering of the Allering Section in English only           Sections, Forgation         Forgation Allering of the Allering Section in English only           Sections, Section         Sections and Sections in Sections in German unity           Sections, Section         Sections and Allering Section in German unity		Patent Classifications
Asamas, brigin         i-bright-harmacij i-bright-ha	<ul> <li>Ab(collapsible bicycle frame)</li> </ul>	Searchable Fields in TotalPatent*
Address, Dojukh         - Explain-Assess) - Explain-Assess)         Searches the Address section in Explain holy.           Address, Preuh         - Freich-Adress)         Searches the Address section in Freich holy.           Address, Preuh         - Freich-Adress)         Searches the Address section in Freich holy.           Address, Demain         - Genras-Adress)         Searches the Address section in Genese strif.           Address, Demain         - Genras-Adress)         Searches the Address section in Genese strif.		<ul> <li>Searching for Greek or other foreign characters in TotalPatent<sup>®</sup></li> </ul>
Advanced, Freedow         Services the Advanced section in Freedow only           Advanced, Freedow         Services the Advanced section in Freedow only           Advanced, Freedow         Services the Advanced section in German servicy           Command-Sectionary (Advanced)         Services the Advanced section in German servicy	<ul> <li>English-Abstract(collapsible bicycle</li> </ul>	<ul> <li>Using Restrictions with a Search</li> </ul>
. 400         Search Search           Abstract, Preuch         : Pre-ch-Alerco)           . Pre-ch-Alerco)         Search Sea	frame)	<ul> <li>Osing search connectors and commands</li> </ul>
Allamatic, Treach         Freen-Scherol         Reamter the Allamatic section in Freenh solly           Allamatic, Treach         - Argo         Reamter the Allamatic section in German solly           Allamatic, Germani         - Germani-Allamatic - Acij         Reamter the Allamatic section in German solly	<ul> <li>English-Abst(collapsible bicycle frame)</li> </ul>	
Alamas, fresch         = Prech-Alamas)         Seardes the Alamas assiss in Fresch-alamas)           Alamas, German         - Alamas, German-Alamas)         Seardes the Alamas assiss in German only           Alamas, German         - Alamas, German-Alamas)         Seardes the Alamas assiss in German only	<ul> <li>AE(collapsible bicycle frame)</li> </ul>	
• Freich-Marci           • APID           • German-Marcinition           • German-Marcinition           • German-Marcinition           • APID	French-Abstract(matière plastique	
Advance, German August     Seman-August     Seman-Au	renforcée)	
Abitrati, German-Abitrati) German-Abitrati + Adj	<ul> <li>French-Abst(matière plastique recloncée)</li> </ul>	
Abstract, German-Matrixet) • German-Matrixet) • Add) Ferentheral the Abstract section in German only • Add)	<ul> <li>AF(matière plastique renforcée)</li> </ul>	
German-Aborract;     German-Aborract;     German-Aborract;     German-Aborract;     Add()     Add()		
• (drmabst) • A0()	<ul> <li>German-Abstract(Aktivierung des</li> </ul>	
• A0()	Gaspenerators)	
	<ul> <li>German-Abst(Aktivierung des Gaspenerators)</li> </ul>	
	AG(Aktivierung des Gasgenerators)	
Abstract, Spanish spanish-Abstract() Searches the Abstract section in Spanish only	<ul> <li>Spanish-Abstract(materiales</li> </ul>	
<ul> <li>Spanish-Abst()</li> </ul>	plásticos)	
<ul> <li>ASD</li> </ul>	<ul> <li>Spanish-Abst(materiales plásticos)</li> </ul>	

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 Notes Search	
Search Terms	Search Within FullText (Incl. Biblio.)	P Search Reset form Syntax Converter
	e.g., (plastic OR rubber OR acrylic) AND (pump OR inflat!) <u>View Search Operators Help</u> <u>View Searchable Fields</u>	

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:

Cossionse neu - Using Search Contectors and Contributes Internet Exporer	
	P South
Eack Nome Index User Guide Tutonais Contact	@ "A 5
Using Search Connectors and Commands	W Overviews
Search connectors are the logic words used to help narrow a search, such as AND, OR, W/n, by defining relationships between your search terms. Search commands provide additional search options, such as ALICAPS and ATLEAST, which allow you to get more precise results from your search.	Assignee and Inventor Lookup Tools     Overview of Advanced Search form
If your search contains a mixture of connectors, LexiaNexis TotalPatent® processes them in a specific order:	Overview of Guided Search form
1. 08	What happens when more than 3,000
2. W/n. PRE/n. NOT W/n	results are retrieved?
3. W/s	<ul> <li>Why Use the Advanced Search Form?</li> </ul>
4. W/a	· why die the double search romin
5. 400	M Hew Do L?
6 AND NOT	A Country of Barris Territy & Country Street
	Find the most recent document available
You cannot use the W/p and W/s connectors with a proximity connector (e.g., W/2).	for a given country
	Limit by 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 in (number) connectors have offerent numbers, the smallest number is contexted on first. For example, the connectors in the following search string are contexted on in the manner described below:	my search
device W/25 inflat! AND plastic CR rubber CR acrylic W/10 injur!	<ul> <li>Look up a subsidiary company to add to my search</li> </ul>
1. OR has the highest priority, so it operates first and creates a unit of "plastic OR rubber OR acrylic".	<ul> <li>Look up an assignee or inventor to add to</li> </ul>
2. W/10, the smaller of the W/n connectors, ties together the term "injury" with the previously formed unit of "plastic OR nubber OR acrylic".	Search English Machine Translations
<ol> <li>W/25 operates next and creates a unit of "device W/25 inflat",</li> </ol>	* Use the syntax converter
4. AND, with the lowest priority, operates last and links the units formed in the second and third bullets above.	
The following articles provide descriptions and examples for each connector and command.	W Reference Material
All CAPS Command	<ul> <li>Authority Coverage Information</li> </ul>
AND Consister	<ul> <li>Finding Plural Words</li> </ul>
a hot part and a	Finding Proper Names
	<ul> <li>Finding Variations of a Word</li> </ul>
A ATLEAST Commente	<ul> <li>Here are Multiple Conservers Processed?</li> </ul>
II CAPS Command	
Home > All About > Guided and Advanced Searching > Using Search Connectors and Commands	More (1

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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