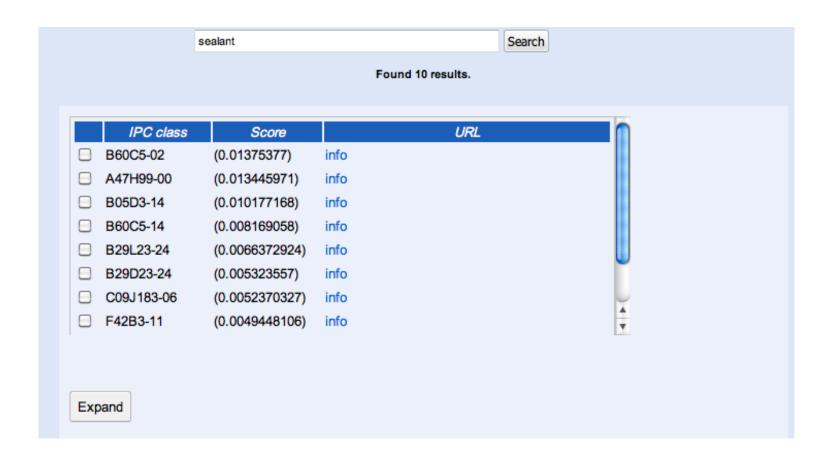
Interactive Patent Search with IPC Query Expansion

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A patent retrieval system

- User's input: keywords (default: and search)
- Search in IPC classes
 - System matches keywords to the IPC classes (subgroup level)
 - Original query is expanded with a set of keywords extracted from the selected classes
- Search in Patent Documents
 - The selected classes are used for IPC filtering (class level)
 - System returns a list of relevant documents (with title)

Search IPC Classes



Search Documents

	se	alant	Search
Found 100 results.			
	Docno	Score	Title
	EP-0889108	10.719231	Sealant application method
	EP-1391290	10.584115	Sealant charging process in sealant-incorporated tire tube
	EP-1238787	10.546212	SEALANT FILLING METHODS FOR SEALANT-CONTAINING TIRE
	EP-0194872	10.055191	SEALING MATERIAL
	EP-0200557	10.050573	SEALING MATERIAL
	EP-1281741	10.032743	SEALANT FOR PREVENTION OF BLOWOUT, TUBELESS TIRE, AND TIRE TUBE
	EP-0797501	9.970975	MOLDING TOOL FOR SEALANT AND SEALING METHOD USING THE MOLDING TOOL
	EP-0810161	9.924027	Device for opening sealant container, sealant container, and method of opening the sealant container
	EP-0181483	9.874381	METHOD AND APPARATUS FOR APPLYING A PRECISION AMOUNT OF SEALANT TO EXPOSED FASTENERS
	EP-0398528	9.8693285	CLOSURE HAVING IMPROVED SEALANT CHANNEL FOR RECEIVING SEALANT BY SPIN LINING
	EP-0818302	9.70491	METHOD OF MANUFACTURING TIRE TUBE CONTAINING SEALANT

Future Work

- Support for Boolean and proximity search
- Link to real document, keywords highlighted
- Popup for abstract
- IPC collocation
- Add date range