Outline



- I. IPC
- II. FI

III. F-terms

IV. Reference tool



<u>F-term</u> (File forming term) is a unique classification system invented and maintained by the JPO. It has the following features.

- Hierarchical tree structure with multi-aspect enables analysis of a patent document from <u>multiple -viewpoints</u>
- Assigned mainly to <u>MOST</u> Japanese patent publications and Japanese utility model gazettes
 - > JPO recently started to assign F-terms also to some Chinese documents.



Relationship between FI, Theme, and F-term

1/00 A B C Z	1/0		1/04	1/06 A B Z	1/08	2/00			01 Z	2/0 ² A B C		2/06 B C Z	FI
Theme 1 (with F-term)				Theme 2 (without F-term)			Theme 3 (with F-term)			Theme			
	AA 00 BB 00	AA 01 BB 01	AA 02 BB 02	03	AA 04			AA 00 BB 00	AA 01 BB 01	AA 02 BB 02	AA 03		
	CC 00 DD 00	CC 01 DD 01		03				CC 00	CC 01	CC 02	CC 03	CC 04	F-term

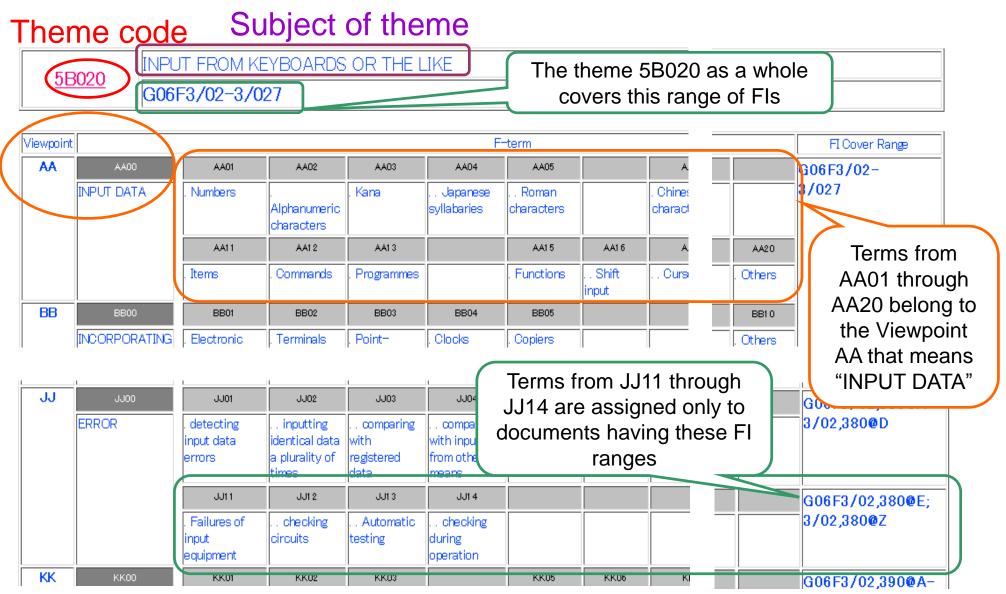


Comparison among FI, F-term, & IPC

	FI	F-term	IPC	
Total number of entries	190,000	360,000	70,000	
Coverage of patent documents	*Mainly JP documents	*Mainly JP documents	Global	
Coverage of technical fields	100%	70%	100%	
Function	Categorize	Analyze	Categorize	

^{*}JPO started to assign FI / F-term to some Chinese documents







Utilizing F-term as a search key

- Specify the F-term theme based on FI or IPC
- Select F-terms that match technical elements of a search target
- Compose search queries by combining these terms

Example of a search target

"Granular calcium oxide ceramics with low heat expansion"

-> Theme 4G031 Composition of oxide ceramics F-term AA04, BA24, CA05

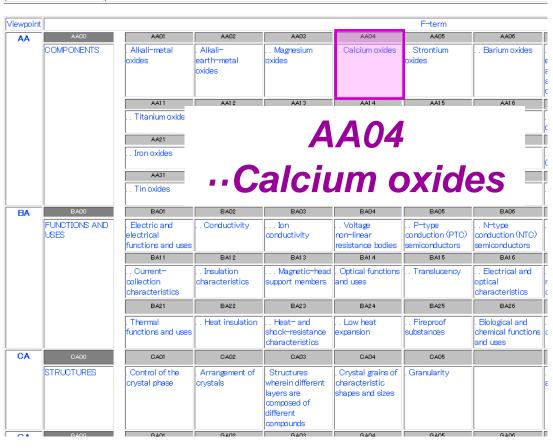
-> Query 4G031(AA04*BA24*CA05)

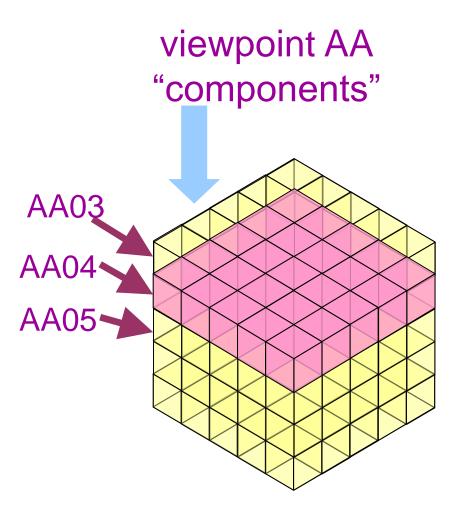


Example of a search target

"Granular calcium oxide ceramics
with low heat expansion"

4G031 Composition of oxide ceramics
C04B35/42-35/51



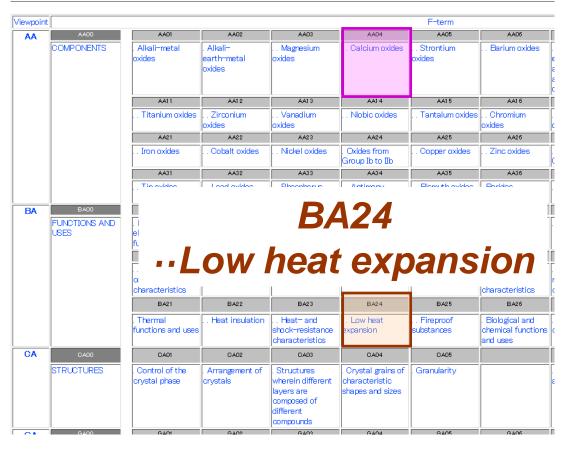


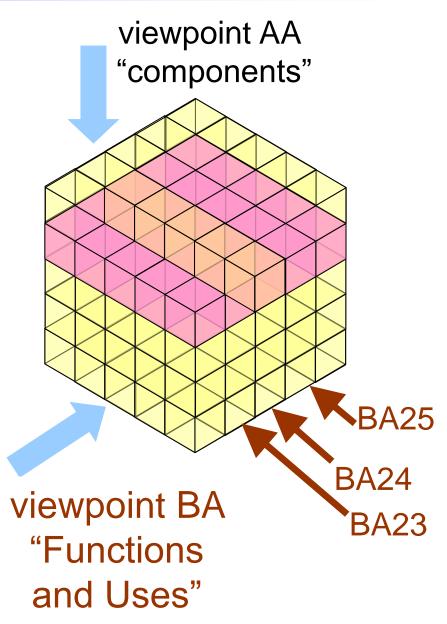


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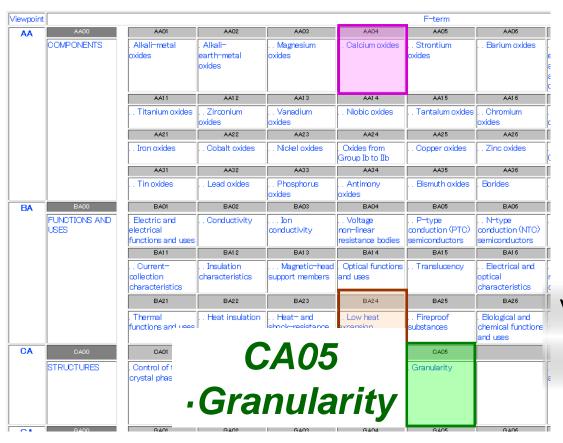


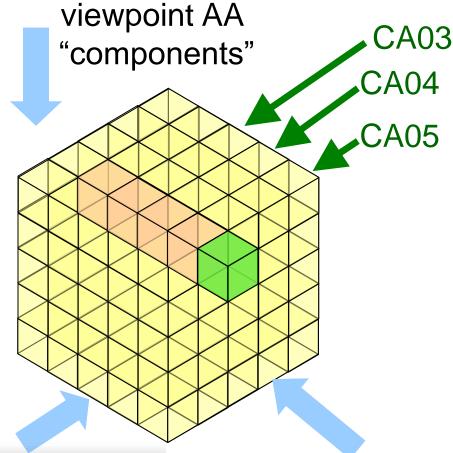


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viewpoint BA "Functions and Uses"

viewpoint CA "Structures"