



### Patentcloud *Quality Insights* Annotation Report

Qualcomm Incorporated v. Monterey Research, LLC

PTAB-IPR2020-00130

Focus on: U.S. Pat. No.6,459,625

Filing date: Nov. 05, 2021

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### **Organized Prosecution and PTAB History**

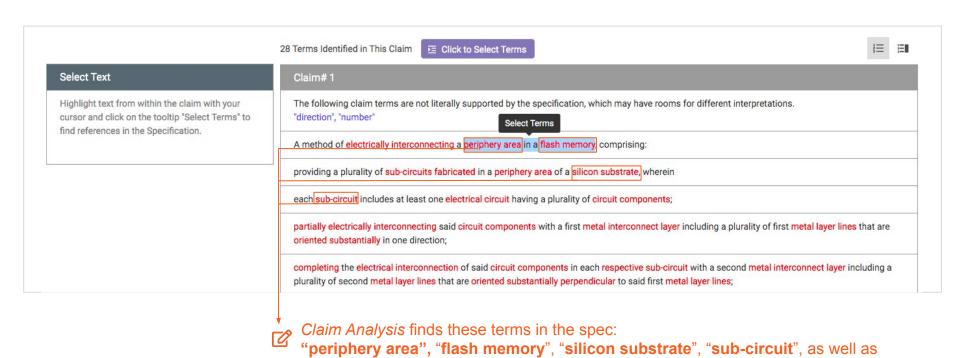
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# Map claims to specification and file wrapper



## Map claims to specification - '625

Which claim terms are or are not in the specification?

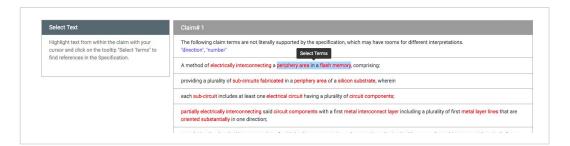


other terms that are highlighted in red.

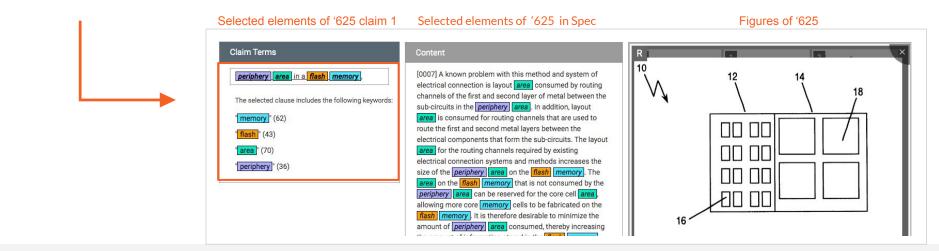


## Map claims to specification - '625

Which claim terms are or are not in the specification?



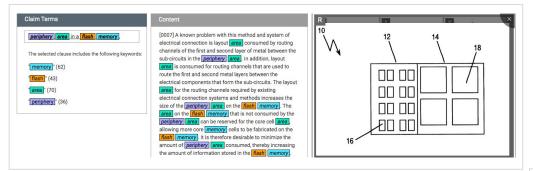
Review the selected claim element and see how it is defined in the patent specification and related figures.





## Map claims to specification - '625

Does the allegedly infringing product element fall within or outside the patent's scope?





With the claim scope interpretation from *Claim Analysis*, verify your findings against the petition.

#### Answer the question:

Does the alleged Invention element fall within or outside the patent's scope?

Claim	Preamble	Body		
1	"a periphery area in a flash memory"	"a periphery area of a silicon substrate"		
6	"in a flash memory"	"a periphery area of a silicon substrate"		
"a periphery area in a memory device"		"a periphery area of a silicon substrate"		

Petitioner argues that the phrase "a periphery area of a silicon substrate," as recited in the body of each of claims 1, 6, and 10, should be construed as limited by the preamble of each respective claim. Pet. 20–23. According to Petitioner, "Claims 1 and 6 should be limited to periphery areas of flash memory, and Claim 10 should be limited to periphery areas of a memory device." *Id.* at 22; *see id.* at 20–21. In support of this argument, Petitioner contends that, similar to *Deere v. Bush Hog*,





## Map claims to the file wrapper - '625

Which claim terms are in the file wrapper(i.e. examiner's opinion)?

#### Disclosure Rate by Prior Art



Disclosure Rate by Prior Art

Review how the asserted claims were disclosed by the prior art found by the examiner during prosecution and post-grant proceedings.

A higher percentage means
more claim elements were disclosed by the
prior art.





## Map claims terms to the file wrapper - '625

How was this patent challenged during Prosecution & IPR?

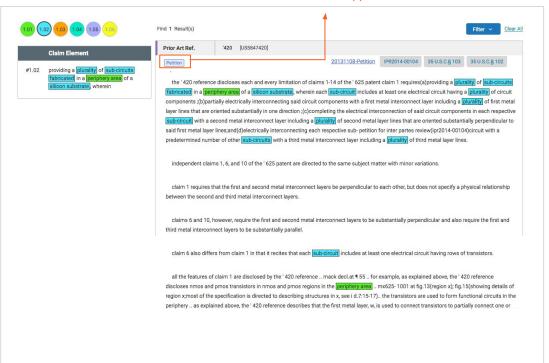
Claims		Prior Art Ref. (4)	
	POSITA	JPH11-68066	US584742
<u>#1.01</u> (100%)	66%	<u>66%</u>	100%
<u>#1.02</u> (100%)	40%	<u>0%</u>	100%
<u>#1.03</u> (100%)	<u>0%</u>	50%	100%
<u>#1.04</u> (100%)	0%	71%	100%
<u>#1.05</u> (100%)	<u>0%</u>	50%	100%
#1.06 (100%)	0%	44%	<u>100%</u>

All of the limitations of this asserted claim element in '625 were 100% known by (US5847420).

Answer the questions:

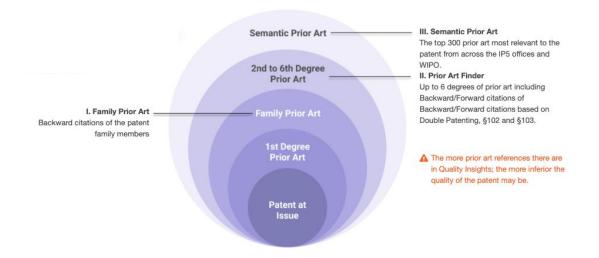
How was this patent challenged during IPR?

#### Petition from Applicant





## How does Quality Insights generate prior art?



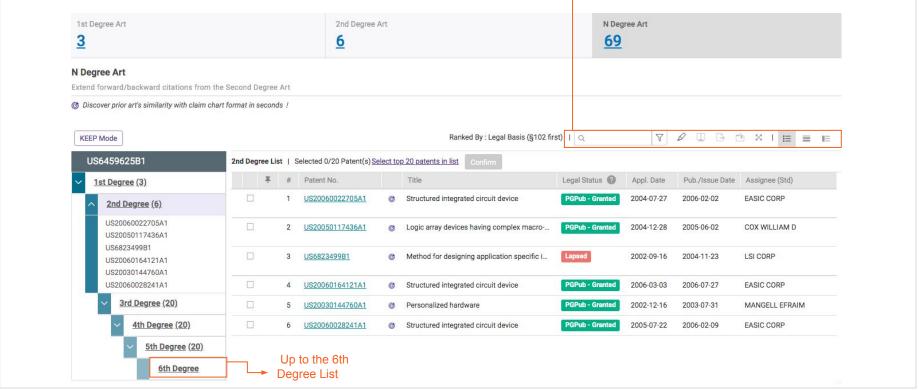
## **Prior Art Finder**



### Prior Art Finder for '625

Review cited and citing patents of '625 from the first to the sixth degree

Filter by: **Applicability** Legal Basis (102 or 103) Patent Office Legal Status

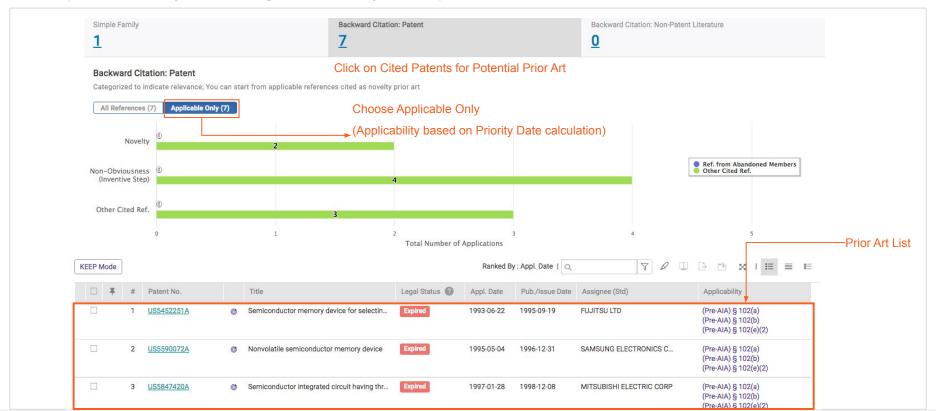


## **Family Prior Art**



## Family Prior Art of '625

Review prior art cited by and cited against the family counterparts when available

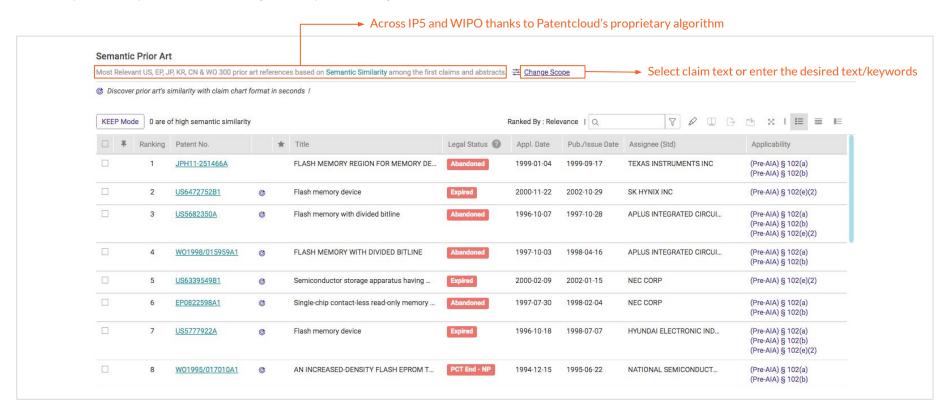


## **Semantic Prior Art**



### **Semantic Prior Art of '625**

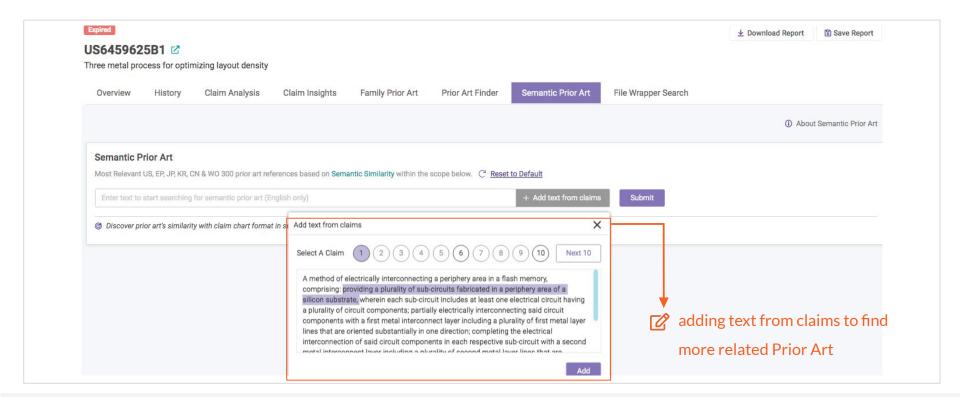
Review potential prior art ranked by concept similarity





### Semantic Prior Art of '625

Review potential prior art ranked by concept similarity

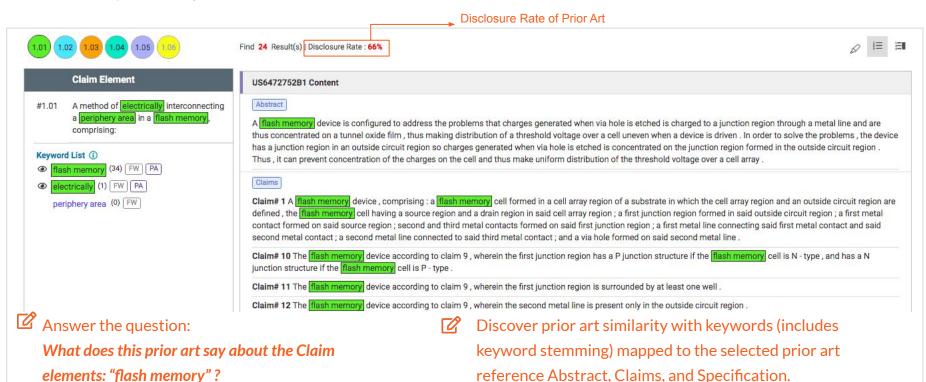


## **Comparison tools**



## **Prior Art Comparison (claim chart format)**

What does this prior art say about the critical elements?





## **Prior Art Comparison (sample output)**

Easily generate a table like below

	Claim	Claim-Term Interpretation	Semantic Prior Art - 752'	3rd Degree Citation Prior Art - B
1	A method of electrically interconnecting a periphery area in a flash memory, comprising:	Refer to Claim Analysis results	N/A	
	providing a plurality of sub-circuits fabricated in a periphery area of a silicon substrate, wherein		N/A	
	each sub-circuit includes at least one electrical circuit having a plurality of circuit components;		66%	
	partially electrically interconnecting said circuit components with a first metal interconnect layer including a plurality of first metal layer lines that are oriented substantially in one direction;		80%	
	completing the electrical interconnection of said circuit components in each respective sub-circuit with a second metal interconnect layer including a plurality of second metal layer lines that are oriented substantially perpendicular to said first metal layer lines;		60%	
	and electrically interconnecting each respective sub-circuit with a predetermined number of other sub-circuits with a third metal interconnect layer including a plurality of third metal layer lines.		N/A	

System-identified keywords and key phrases (highlighting of other keywords is available)

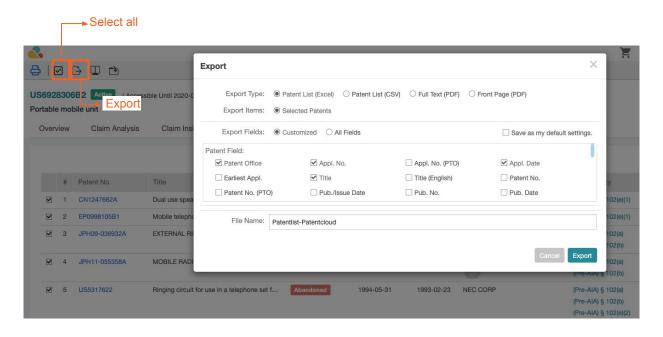
Results from claim to specification and file wrapper mapping

Results from prior art comparison by claim element

## **Prior art downloads**



### **Prior art downloads**



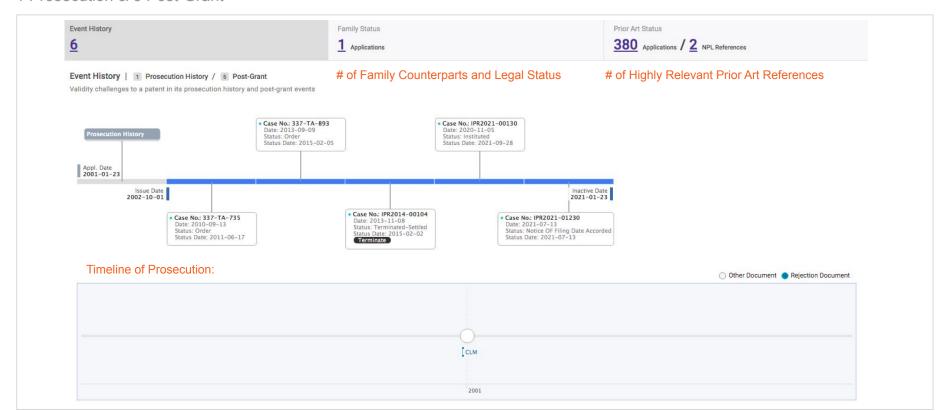


Download patent data in Excel or PDF format for Family Prior Art, Second Degree Prior Art, and/or Semantic Prior Art.

# Prosecution and PTAB History Key Events

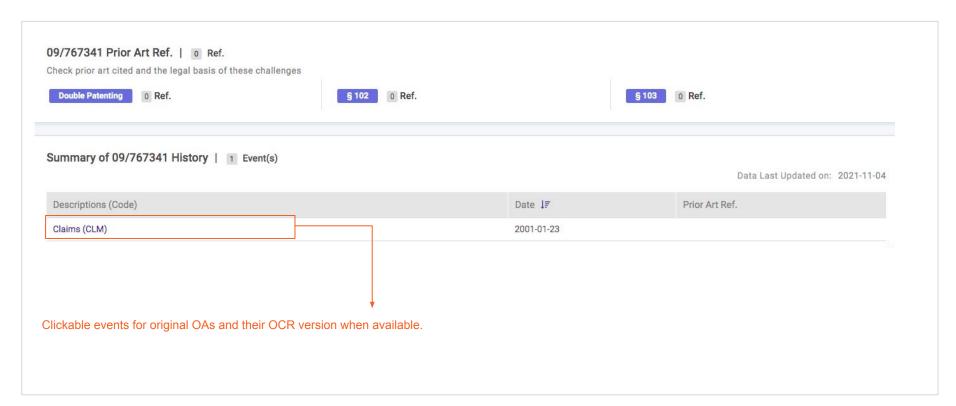


1 Prosecution & 5 Post-Grant



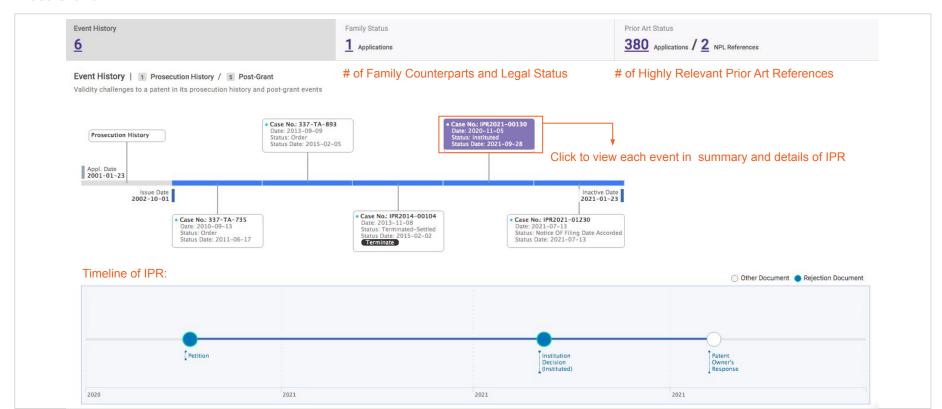


Prosecution History



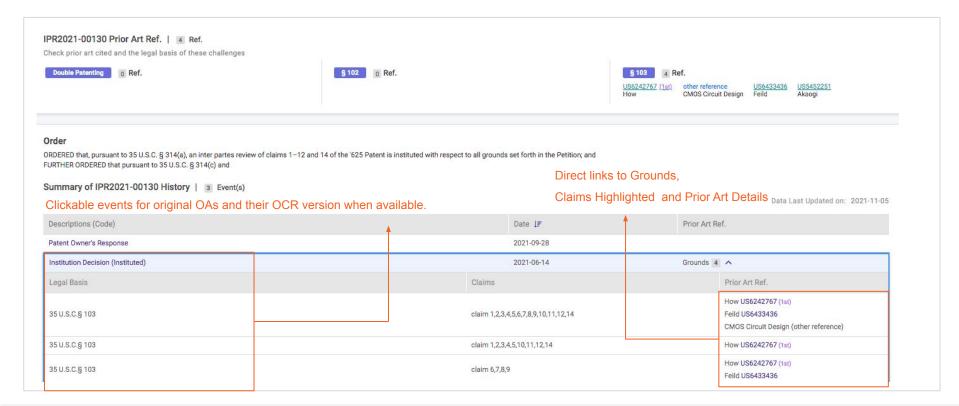


Post-Grant





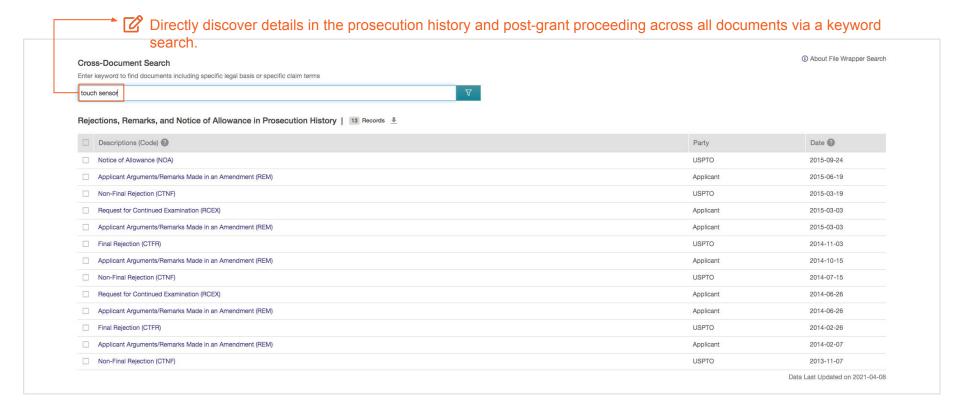
Post-Grant



## **Prosecution and PTAB History Search**



## **Patent File Wrapper Search**

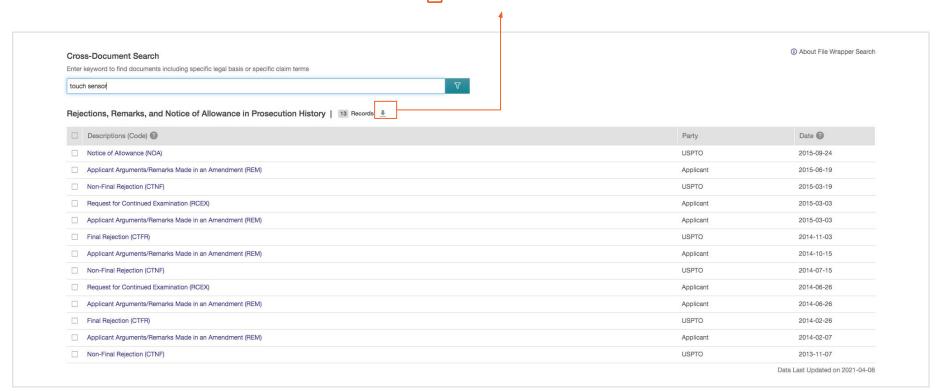


## Prosecution and PTAB History PDF Downloads



### **PDF Downloads**

Download the complete set or just part of the PDF files in the File Wrapper Search.



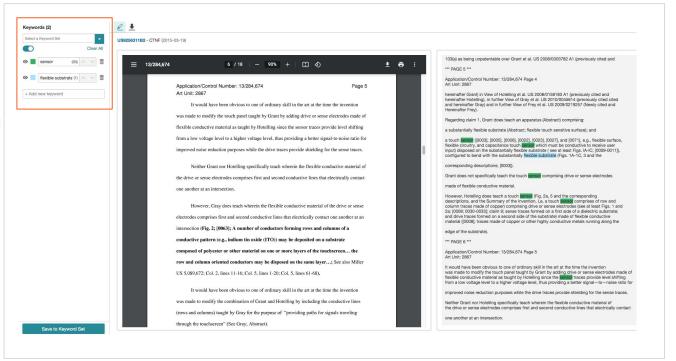
# Prosecution and PTAB History Side-by-side PDF and OCR



## Side by Side: PDF & OCR



Conduct a keyword search in a single document to identify the claim scope quickly and easily. You can even search additional claim terms within rejections.





## QI is a Game Changer

- Take control of a patent at issue with its comprehensive Overview
- Discover claim construction issues and define the claim scope
- Find more relevant prior art references
- Save time to increase productivity for a pitch and win