Patentcloud Quality Insights Annotation Report

Elite Gaming Tech LLC v. Marvell International, Ltd. et al

EDTX-2-21-cv-00335

Focus on: U.S. Pat. No. 6,963,947

Filing date: Aug. 27, 2021

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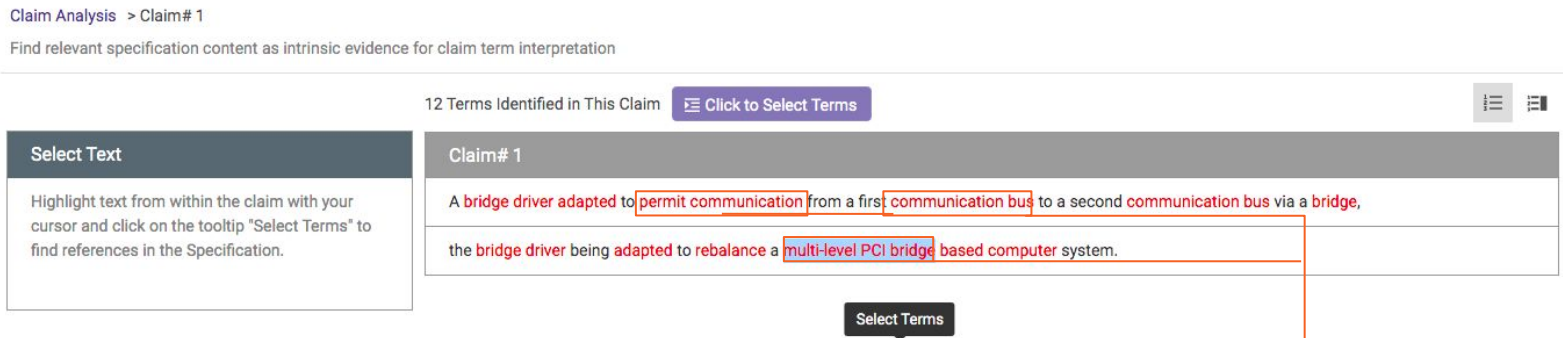
Map claims to specification and file wrapper

Map claims to specification - ‘947

Which claim terms are or are not in the specification?

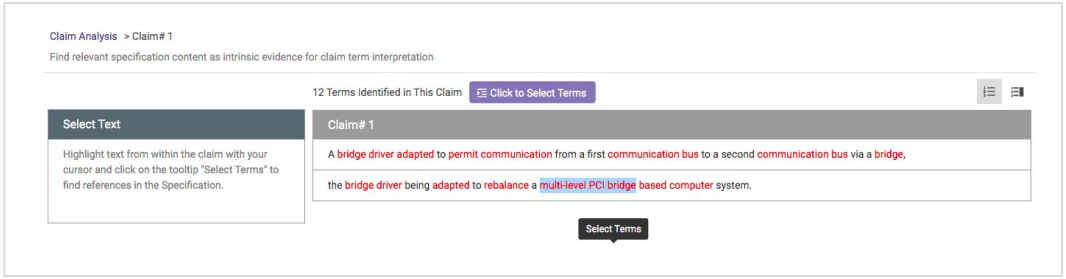


Claim Analysis **finds** these terms in the spec:
”**permit communication**”, **“communication bus“, “multi-level PCI bridge**”, as well as other terms that are highlighted in red.

Source: Quality Insights

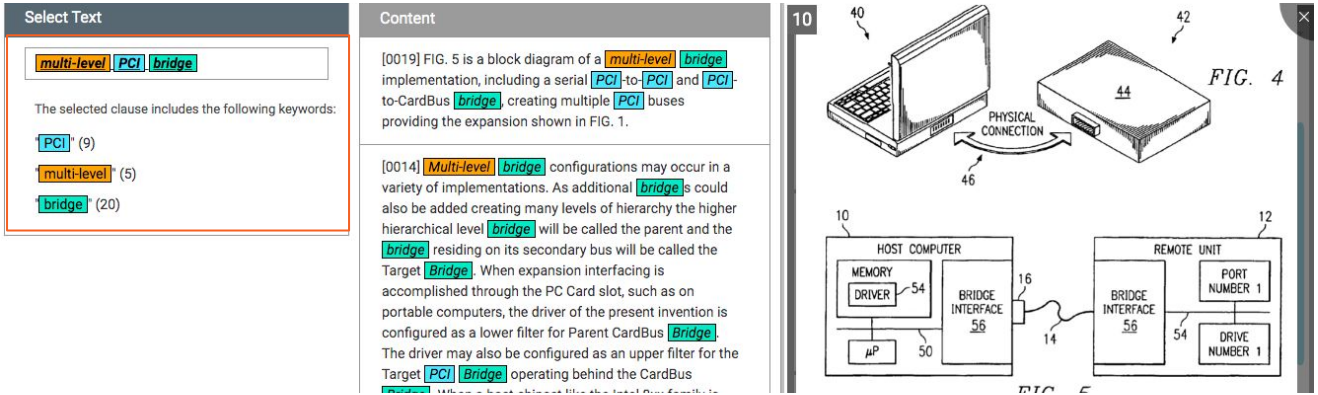
Map claims to specification - ‘947

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.

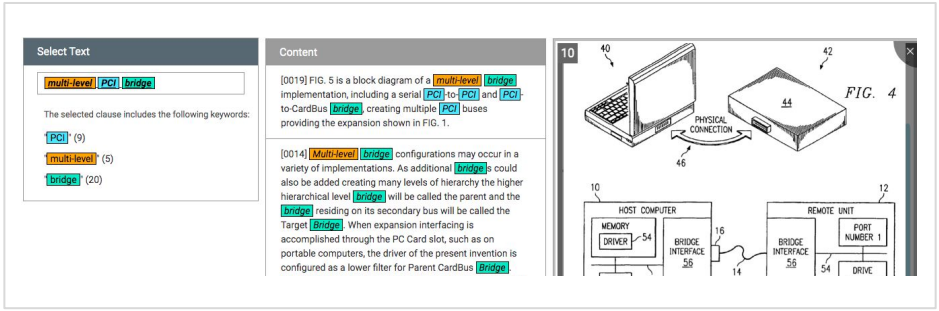
Selected elements of ‘947 Claim 1 | Selected elements of Claim ‘947 in Spec | Figures of ‘947



Source: Quality Insights

Map claims to specification and Complaint - ‘947

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 complaint.

Answer the question:

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

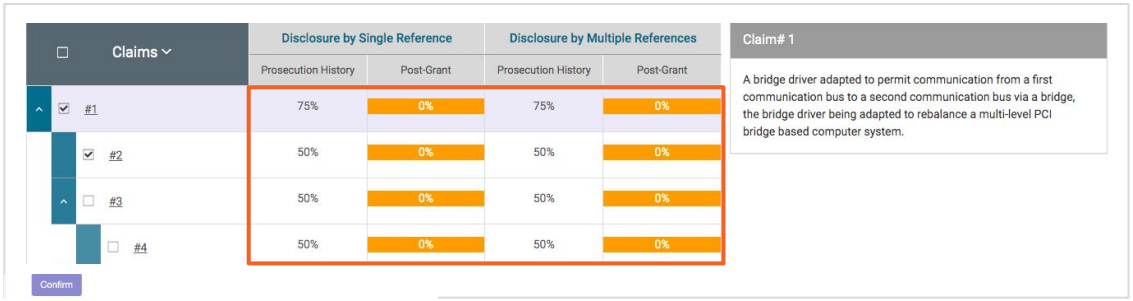
17. Defendants have and continue to directly infringe at least claim 1 of the ’947 Patent by making, using, offering to sell, selling, and/or importing into the United States chips including, but not limited to SoCs, further including but not limited to Marvell Octeon and Armada SoCs, that contain a bridge driver adapted to permit communications from a first communication bus to a second communication bus via a bridge. Upon information and belief, these bridge drivers are adapted to rebalance a multi-level PCI bridge-based computer system such as, for example, communications systems based on internal busses and external busses, such as the peripheral communication interface (PCI) bus, the advanced communications buss (ACB), and the PCI express bus (PCIe).

Source: Quality Insights

Map claims to the file wrapper - ‘947

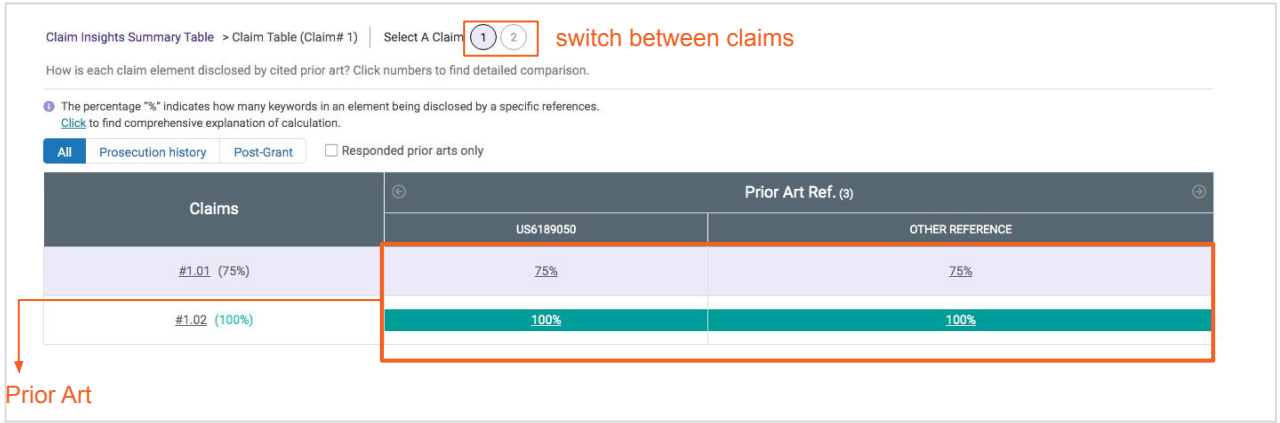
Which claim terms are in the file wrapper(i.e. examiner’s opinion) ?

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.

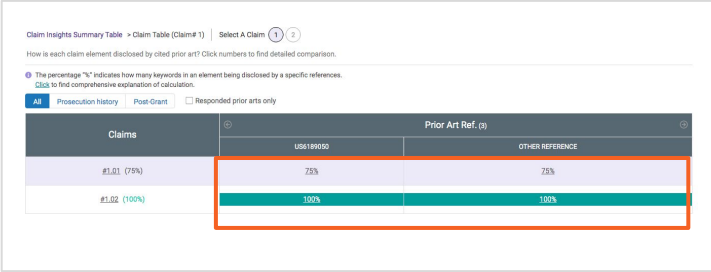


Disclosure Rate by Prior Art

Source: Quality Insights

Map claims terms to the file wrapper - ‘947

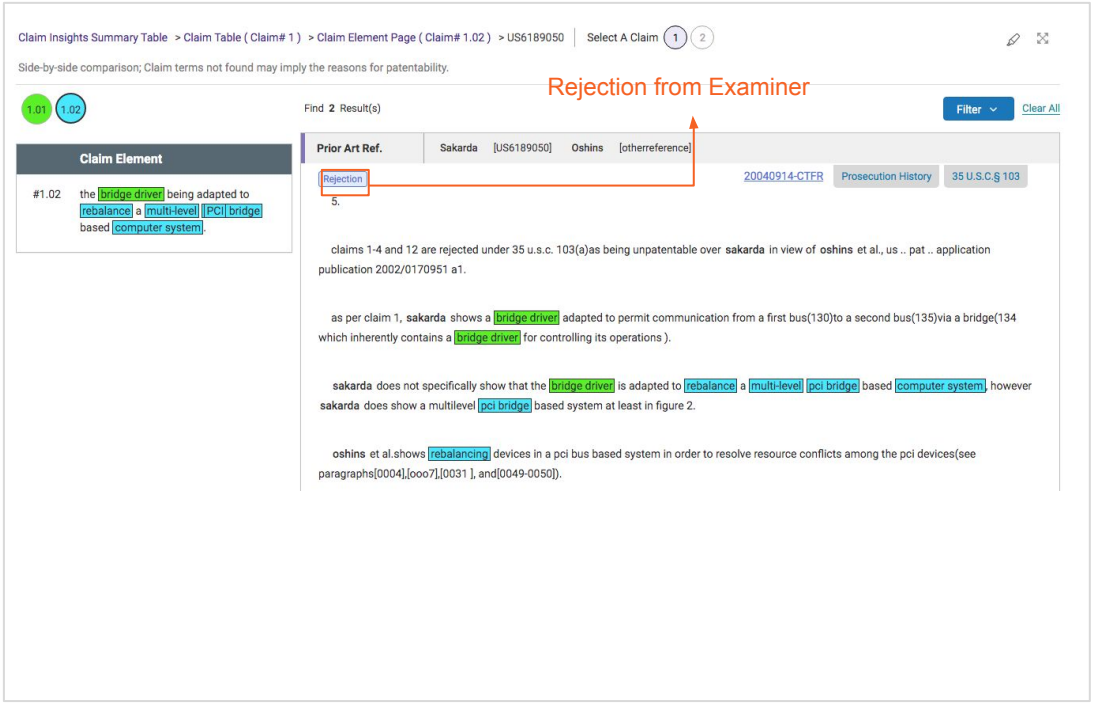
Why was this patent granted? Which claims were amended and how did the scope change?



All of the limitations of this asserted claim element in ‘947 were 100% known by Sakarda (US6189050).

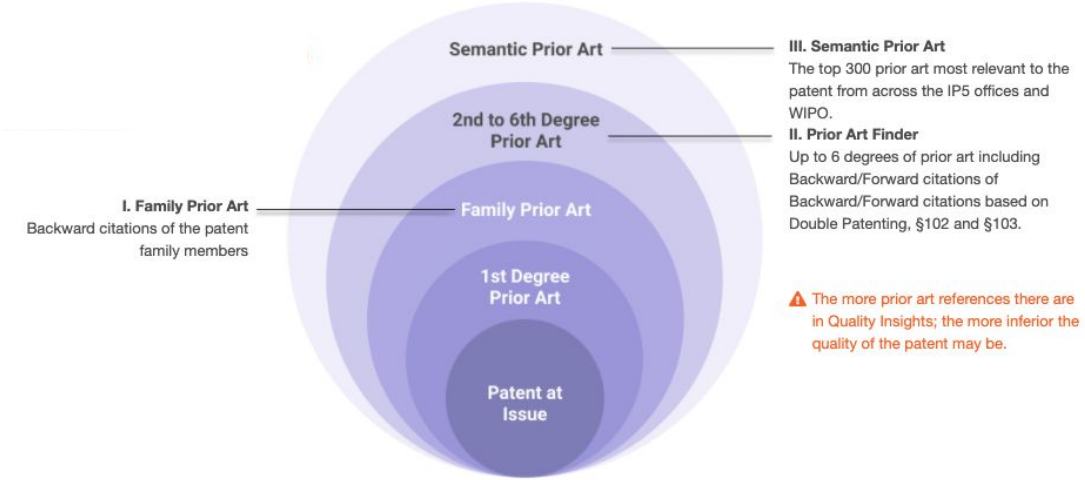
Answer the questions:

Why was this patent granted?



Source: Quality Insights

How does Quality Insights generate prior art?



Source: Quality Insights

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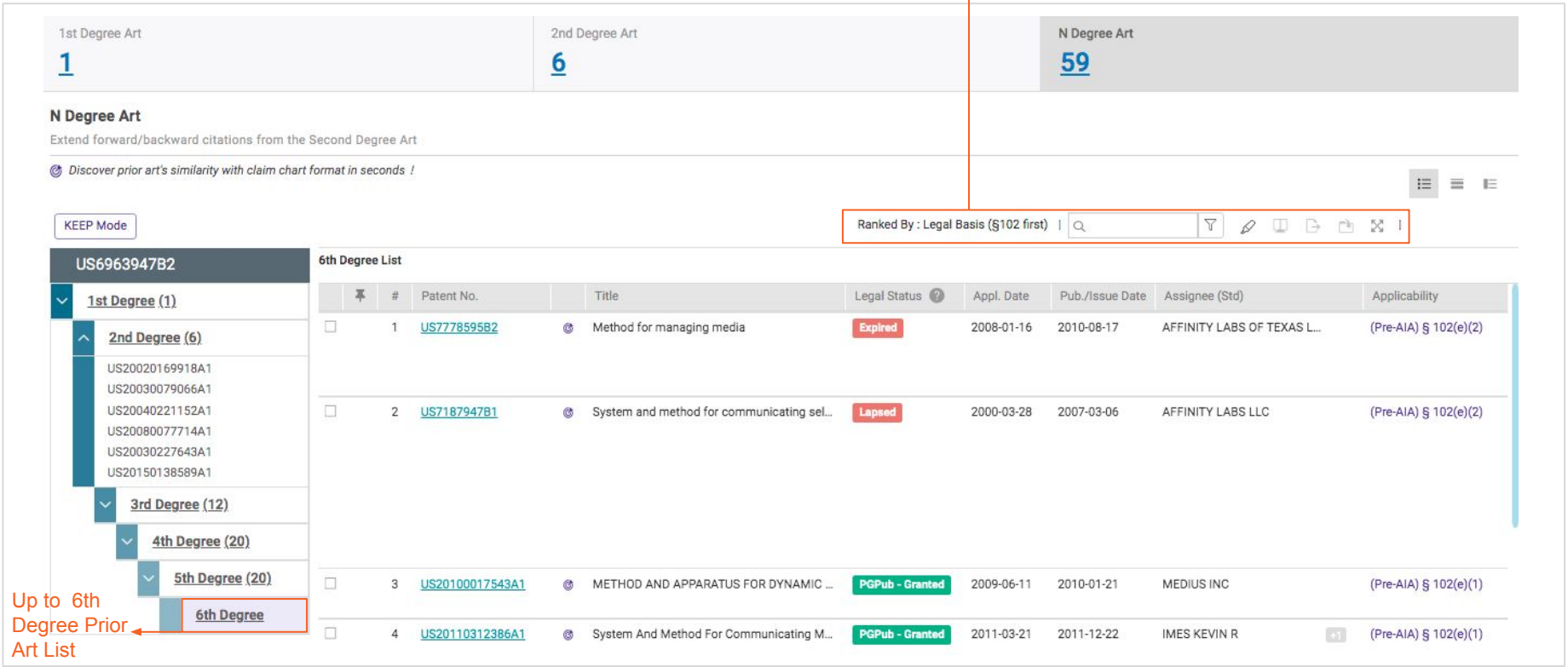
Prior Art Finder

Prior Art Finder for ‘947

Review cited and citing patents of ‘947 from the first to the sixth degree

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



Up to 6th Degree Prior Art List

Source: Quality Insights

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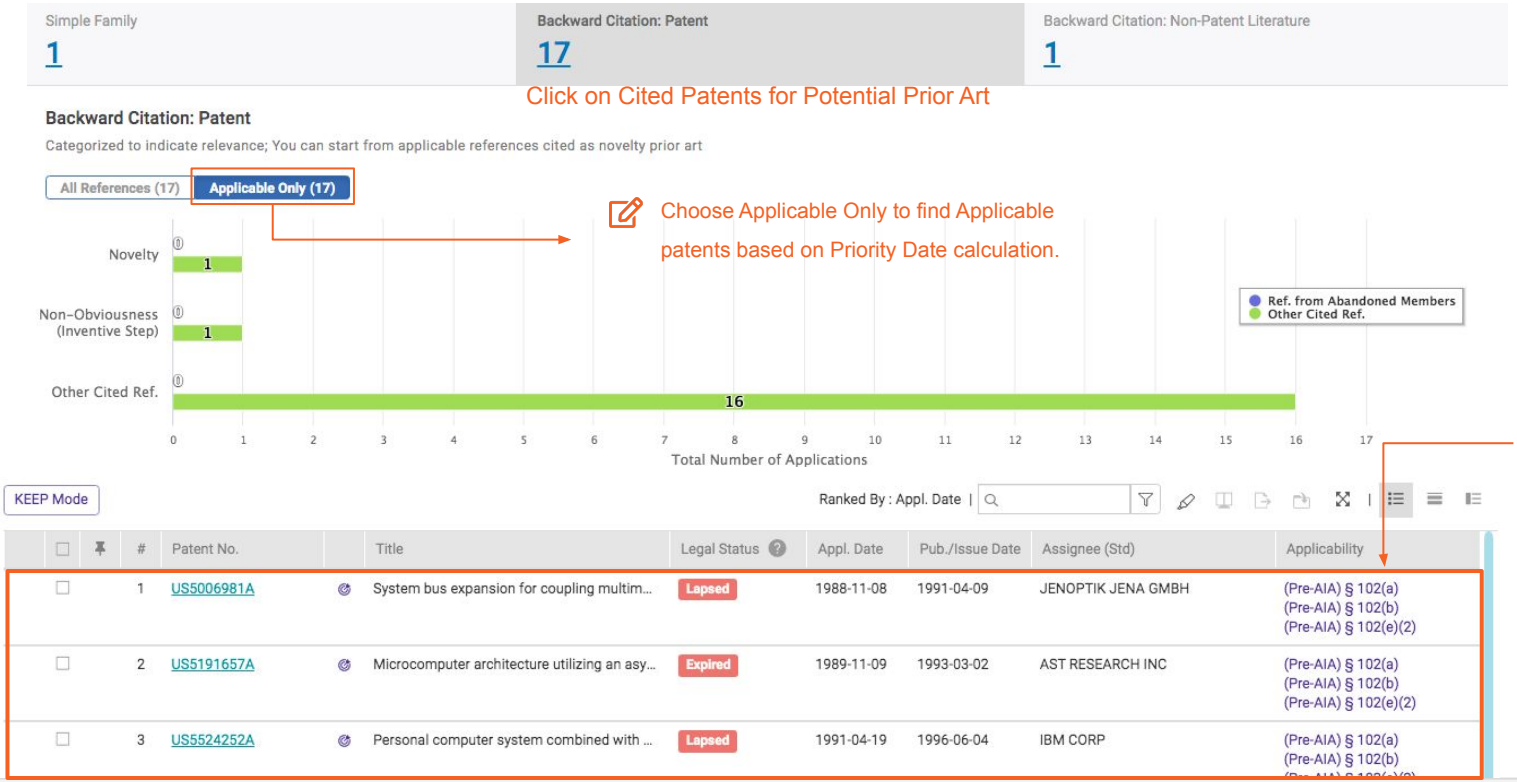
Family Prior Art

Family Prior Art of '947

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



Source: Quality Insights

← Go back to the outline

Semantic Prior Art

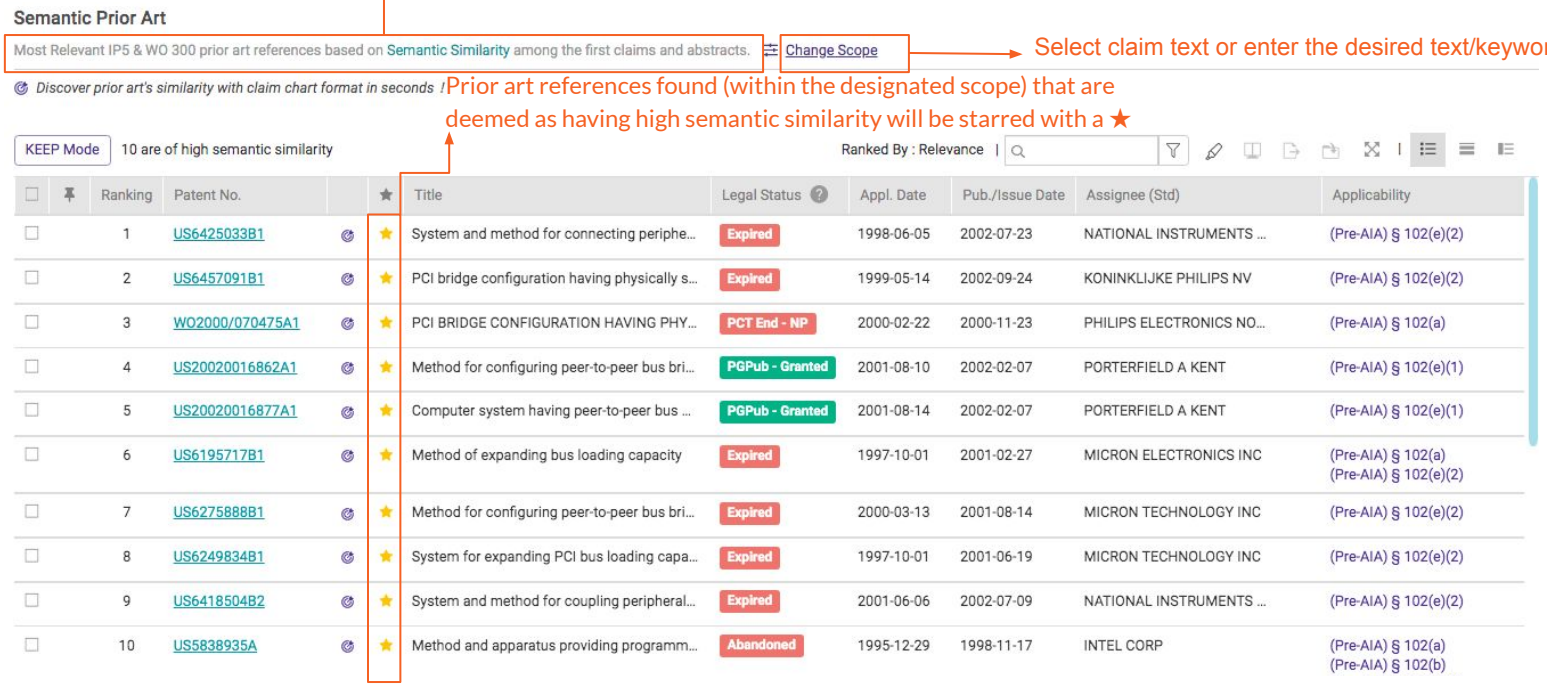
Semantic Prior Art of ‘947

Review potential prior art ranked by concept similarity

Across IP5 and WIPO thanks to Patentcloud’s proprietary algorithm

Select claim text or enter the desired text/keywords

Prior art references found (within the designated scope) that are deemed as having high semantic similarity will be starred with a ★



Semantic Prior Art

Most Relevant IP5 & WO 300 prior art references based on Semantic Similarity among the first claims and abstracts. Change Scope

Discover prior art's similarity with claim chart format in seconds !

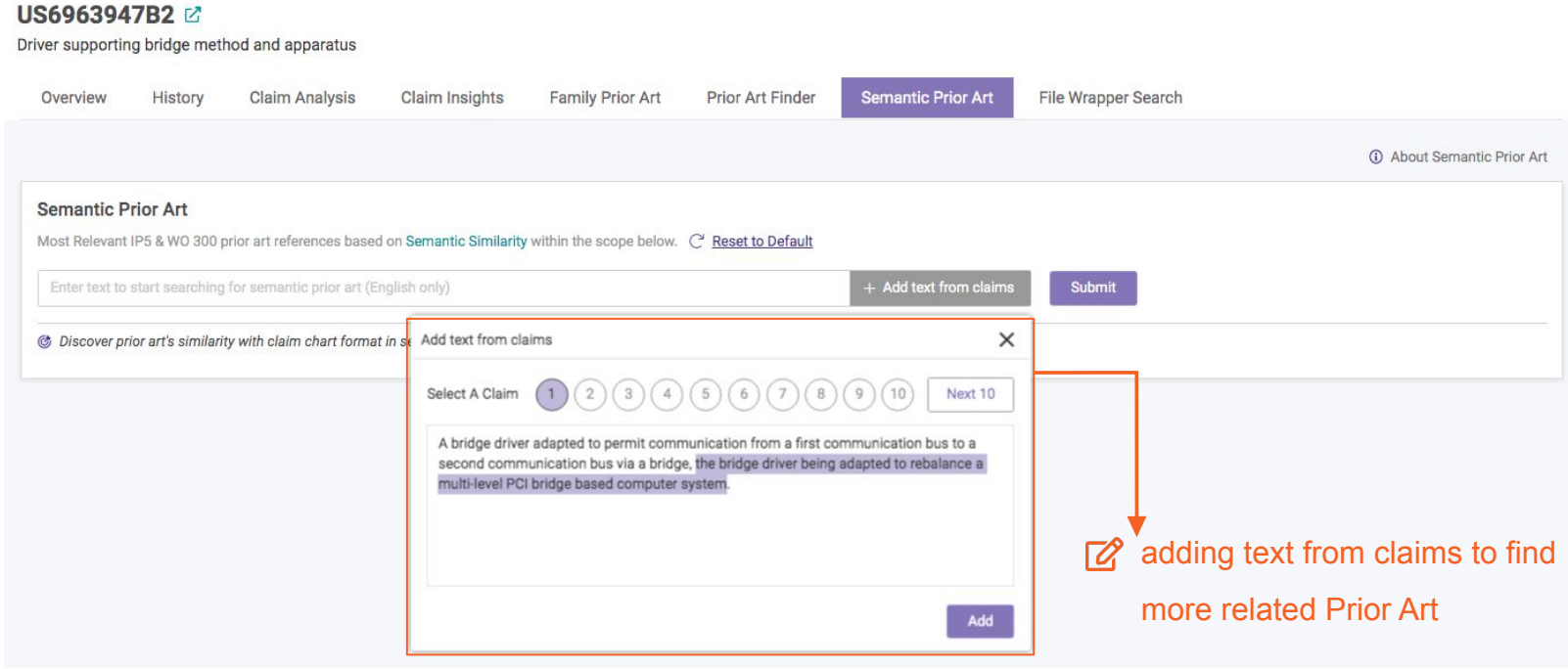
KEEP Mode | 10 are of high semantic similarity | Ranked By : Relevance

Ranking	Patent No.	Title	Legal Status	Appl. Date	Pub./Issue Date	Assignee (Std)	Applicability
1	US6425033B1	System and method for connecting periphe...	Expired	1998-06-05	2002-07-23	NATIONAL INSTRUMENTS ...	(Pre-AIA) § 102(e)(2)
2	US6457091B1	PCI bridge configuration having physically s...	Expired	1999-05-14	2002-09-24	KONINKLIJKE PHILIPS NV	(Pre-AIA) § 102(e)(2)
3	WO2000/070475A1	PCI BRIDGE CONFIGURATION HAVING PHY...	PCT End - NP	2000-02-22	2000-11-23	PHILIPS ELECTRONICS NO...	(Pre-AIA) § 102(a)
4	US20020016862A1	Method for configuring peer-to-peer bus bri...	PGPub - Granted	2001-08-10	2002-02-07	PORTERFIELD A KENT	(Pre-AIA) § 102(e)(1)
5	US20020016877A1	Computer system having peer-to-peer bus ...	PGPub - Granted	2001-08-14	2002-02-07	PORTERFIELD A KENT	(Pre-AIA) § 102(e)(1)
6	US6195717B1	Method of expanding bus loading capacity	Expired	1997-10-01	2001-02-27	MICRON ELECTRONICS INC	(Pre-AIA) § 102(a) (Pre-AIA) § 102(e)(2)
7	US6275888B1	Method for configuring peer-to-peer bus bri...	Expired	2000-03-13	2001-08-14	MICRON TECHNOLOGY INC	(Pre-AIA) § 102(e)(2)
8	US6249834B1	System for expanding PCI bus loading capa...	Expired	1997-10-01	2001-06-19	MICRON TECHNOLOGY INC	(Pre-AIA) § 102(e)(2)
9	US6418504B2	System and method for coupling peripheral...	Expired	2001-06-06	2002-07-09	NATIONAL INSTRUMENTS ...	(Pre-AIA) § 102(e)(2)
10	US5838935A	Method and apparatus providing programm...	Abandoned	1995-12-29	1998-11-17	INTEL CORP	(Pre-AIA) § 102(a) (Pre-AIA) § 102(b)

Source: Quality Insights

Semantic Prior Art of ‘947

Review potential prior art ranked by concept similarity



Source: Quality Insights

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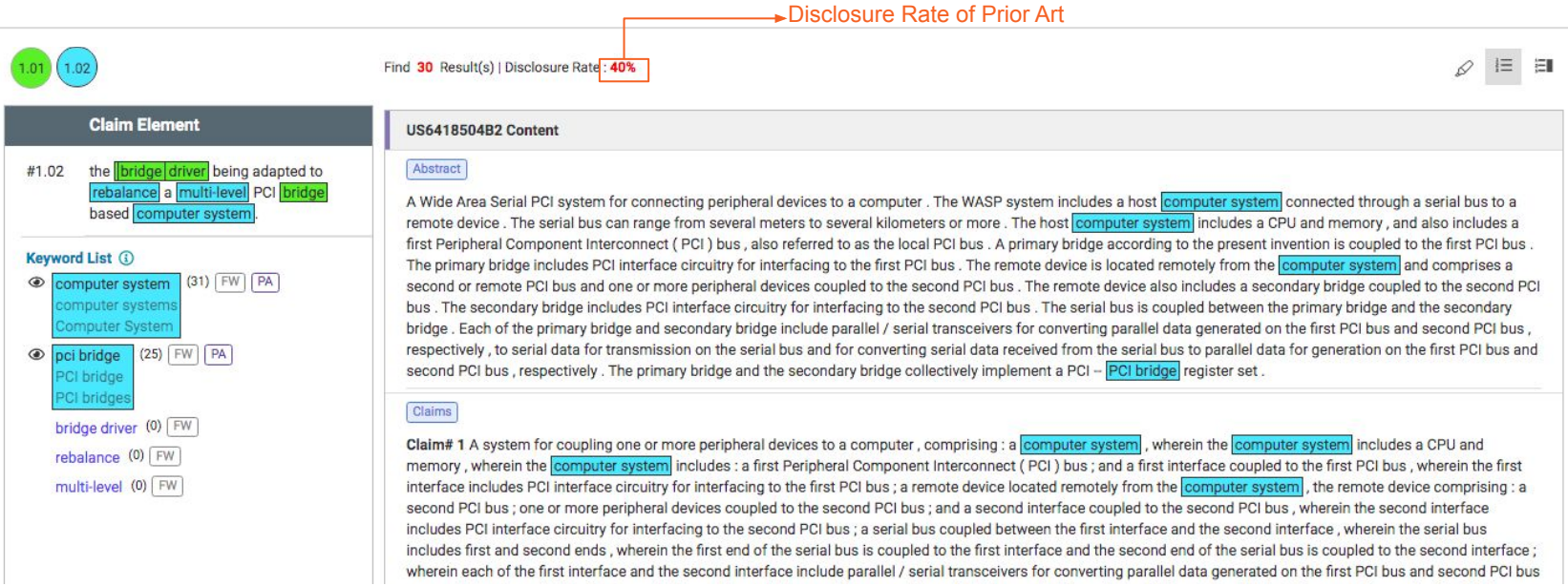
Comparison tools

Prior Art Comparison (claim chart format)

What does this prior art say about the critical elements?



Answer the question:

What does this prior art say about the Claim elements: "pci bridge" ?

Discover prior art similarity with keywords (includes keyword stemming) mapped to the selected prior art reference Abstract, Claims, and Specification.

Source: Quality Insights

Prior Art Comparison (sample output)

Easily generate a table like below

	Claim	Claim-Term Interpretation	Semantic Prior Art - '504	3rd Degree Citation Prior Art - B
1	A bridge driver adapted to permit communication from a first communication bus to a second communication bus via a bridge,	Refer to Claim Analysis results	40%	……
	the bridge driver being adapted to rebalance a multi-level PCI bridge based computer system.	……	40%	……

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

Source: Quality Insights

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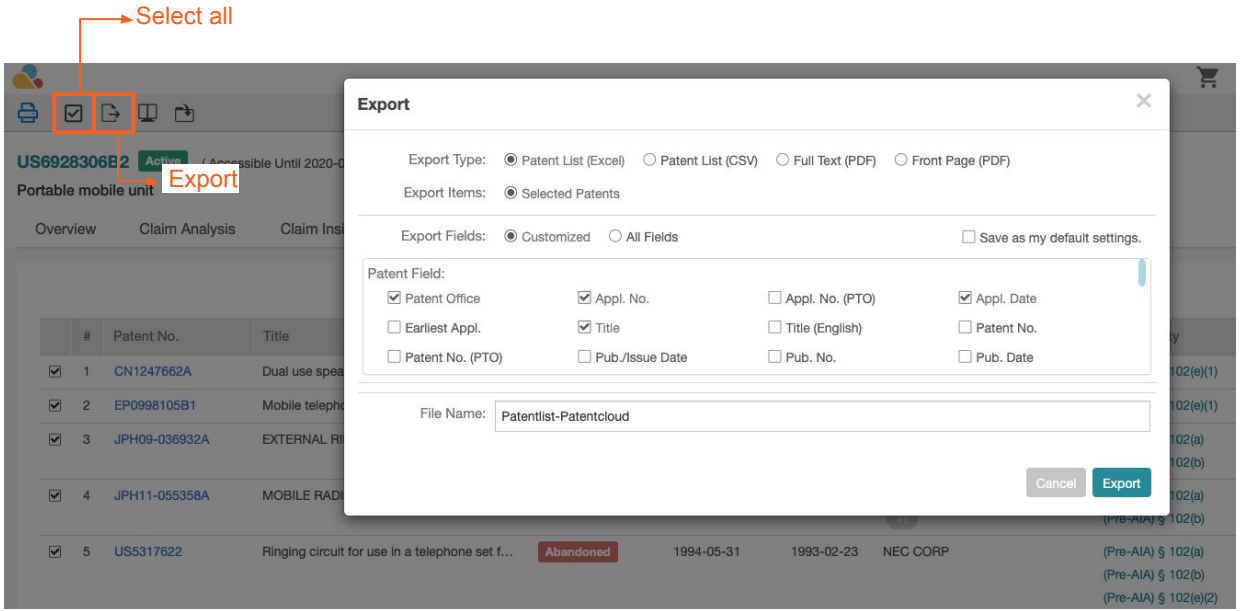
Prior Art downloads

Prior Art downloads



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

Source: Quality Insights

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Prosecution and PTAB History Key Events

Key Events - ‘947

1 Prosecution & 0 Post-Grant

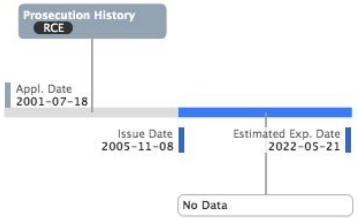
Event History	Family Status	Prior Art Status
1	1 Applications	390 Applications / 2 NPL References

# of Family Counterparts and Legal Status

# of Highly Relevant Prior Art References

Event History | 1 Prosecution History / 0 Post-Grant

Validity challenges to a patent in its prosecution history and post-grant events



Legend	
Document Code	**Document Description**
CTFR	Final rejection
CTNF	Non-final rejection
CLM	Claims
REM	Remarks

Timeline of Prosecution:

Source: Quality Insights

Key Events - ‘947

Prosecution History

09/908255 Prior Art Ref. | 2 Ref.

Check prior art cited and the legal basis of these challenges

Double Patenting	§ 102	§ 103
0 Ref.	1 Ref.	2 Ref.
	US6189050 Sakarda	US6189050 (1st) Sakarda; other reference Oshins

Direct links to Grounds,

Claims Highlighted and Prior Art Details

Summary of 09/908255 History | 10 Event(s)

Clickable events for original OAs and their OCR version when available.

Data Last Updated on: 2021-01-29

Descriptions (Code)	Date	Prior Art Ref.
Notice of Allowance (NOA)	2005-05-10	
Notice of Allowance (NOA)	2005-05-10	
Request for Continued Examination (RCEX)	2005-03-17	
Applicant Arguments/Remarks Made in an Amendment (REM) Claims (CLM)	2005-03-17	
Applicant Arguments/Remarks Made in an Amendment (REM)	2005-02-28	
Final Rejection (CTFR)	2004-09-14	Grounds 2

Legal Basis	Claims	Prior Art Ref.
35 U.S.C.§ 103	claim 1,2,3,4,12	Sakarda US6189050 (1st) Oshins (other reference)
35 U.S.C.§ 112	claim 1,2,3,4,5,6,7,8,9,10,11,12	

Source: Quality Insights

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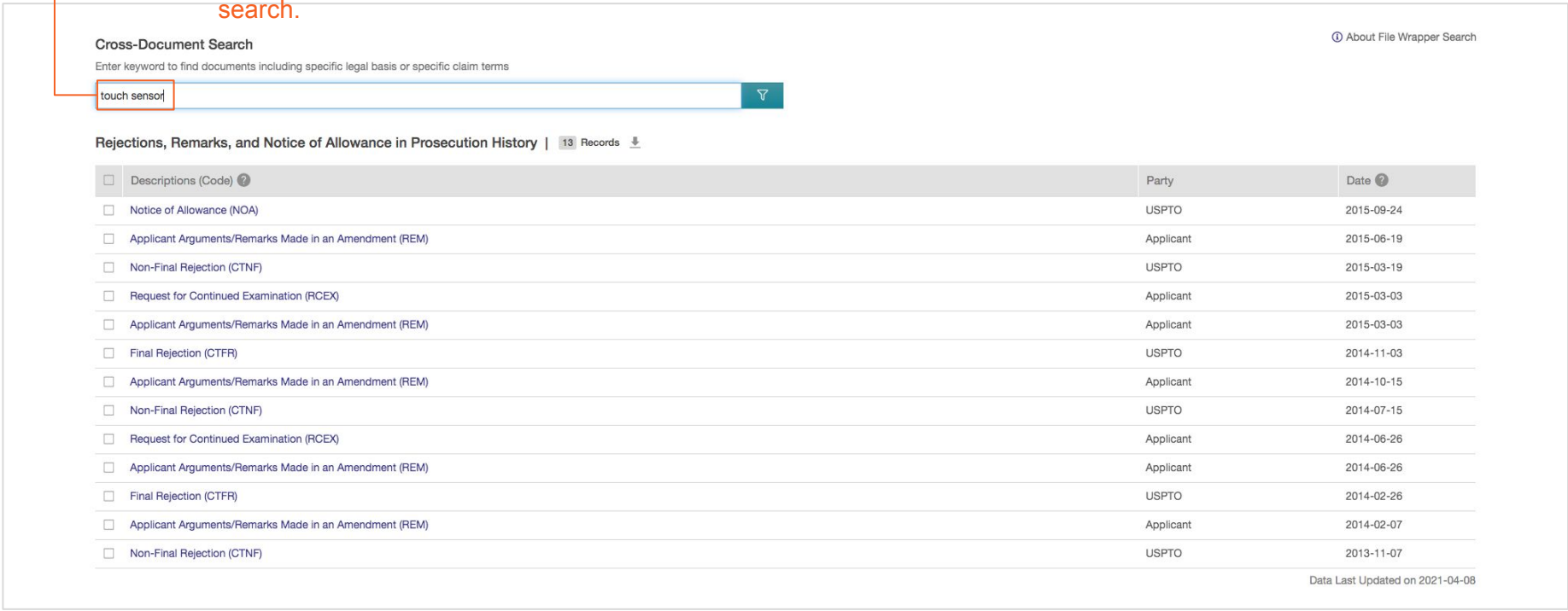
Prosecution and PTAB History Search

Patent File Wrapper Search

Directly discover details in the prosecution history and post-grant proceeding across all documents via a keyword search.



Cross-Document Search

Enter keyword to find documents including specific legal basis or specific claim terms

touch sensor

About File Wrapper Search

Rejections, Remarks, and Notice of Allowance in Prosecution History | 13 Records

Descriptions (Code)	Party	Date
Notice of Allowance (NOA)	USPTO	2015-09-24
Applicant Arguments/Remarks Made in an Amendment (REM)	Applicant	2015-06-19
Non-Final Rejection (CTNF)	USPTO	2015-03-19
Request for Continued Examination (RCEX)	Applicant	2015-03-03
Applicant Arguments/Remarks Made in an Amendment (REM)	Applicant	2015-03-03
Final Rejection (CTFR)	USPTO	2014-11-03
Applicant Arguments/Remarks Made in an Amendment (REM)	Applicant	2014-10-15
Non-Final Rejection (CTNF)	USPTO	2014-07-15
Request for Continued Examination (RCEX)	Applicant	2014-06-26
Applicant Arguments/Remarks Made in an Amendment (REM)	Applicant	2014-06-26
Final Rejection (CTFR)	USPTO	2014-02-26
Applicant Arguments/Remarks Made in an Amendment (REM)	Applicant	2014-02-07
Non-Final Rejection (CTNF)	USPTO	2013-11-07

Data Last Updated on 2021-04-08

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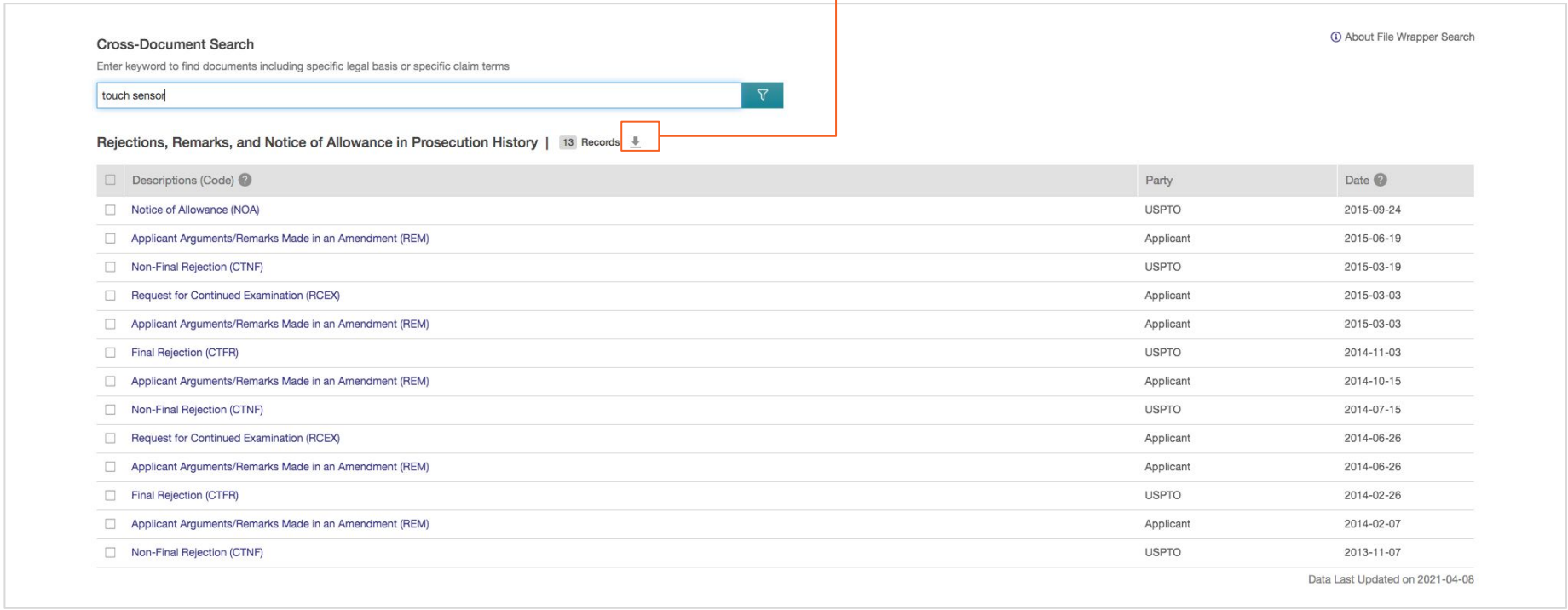
Prosecution and PTAB History PDF Downloads

PDF Downloads

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



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Enter keyword to find documents including specific legal basis or specific claim terms

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Notice of Allowance (NOA)	USPTO	2015-09-24
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Applicant Arguments/Remarks Made in an Amendment (REM)	Applicant	2015-03-03
Final Rejection (CTFR)	USPTO	2014-11-03
Applicant Arguments/Remarks Made in an Amendment (REM)	Applicant	2014-10-15
Non-Final Rejection (CTNF)	USPTO	2014-07-15
Request for Continued Examination (RCEX)	Applicant	2014-06-26
Applicant Arguments/Remarks Made in an Amendment (REM)	Applicant	2014-06-26
Final Rejection (CTFR)	USPTO	2014-02-26
Applicant Arguments/Remarks Made in an Amendment (REM)	Applicant	2014-02-07
Non-Final Rejection (CTNF)	USPTO	2013-11-07

Data Last Updated on 2021-04-08

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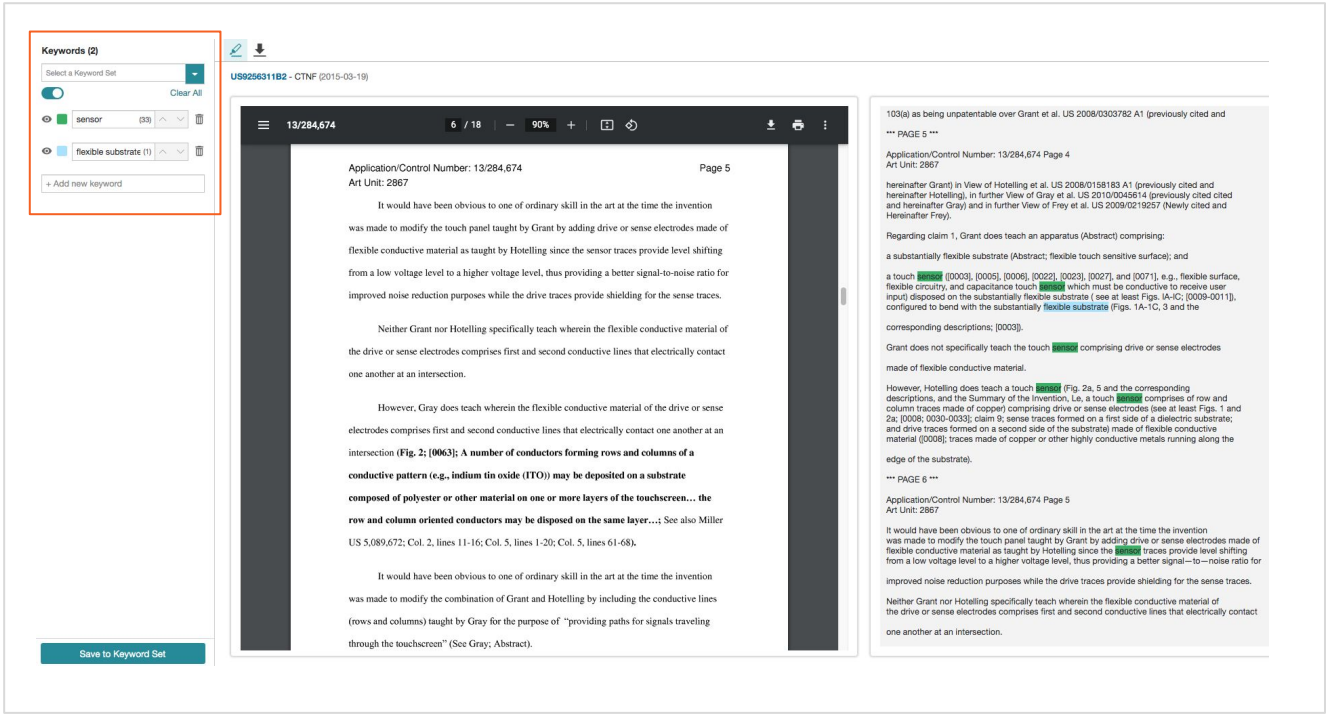
Prosecution and PTAB History Side-by-side PDF and OCR

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.



Source: Quality Insights

Patentcloud
Quality Insights

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