Patentcloud Quality Insights Annotation Report

Acceleron, LLC v. Dell, Inc.

NDGA-1-12-cv-04123

Focus on: U.S. Pat. No. 6,948,021

Filing date: Nov. 28, 2012

Table of contents

Click on a page number to read

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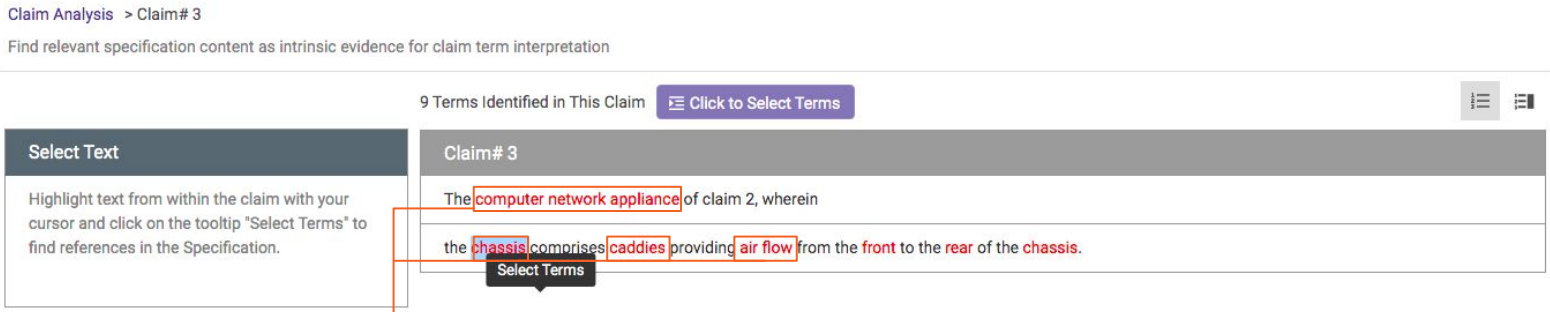
Map claims to specification and file wrapper

Map claims to specification - ‘021

Which claim terms are or are not in the specification?

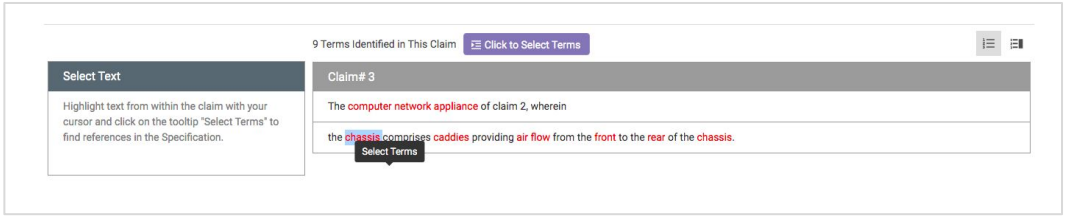


Claim Analysis **finds** these terms in the spec: ”**computer network appliance**”, **“chassis“, “caddies**”, “**air flow**”, as well as other terms that are highlighted in red.

Source: Quality Insights

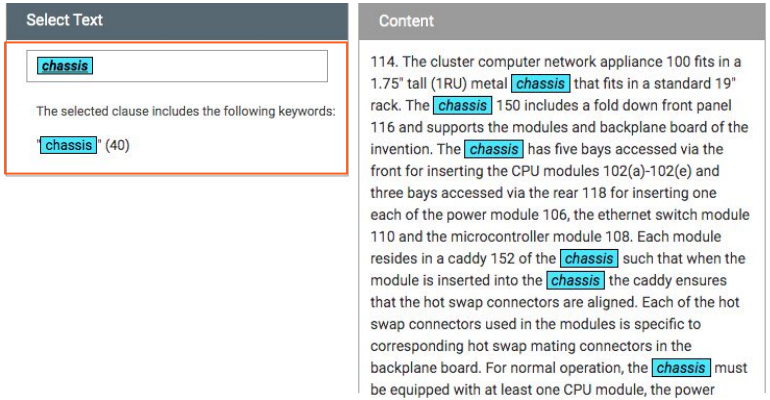
Map claims to specification - ‘021

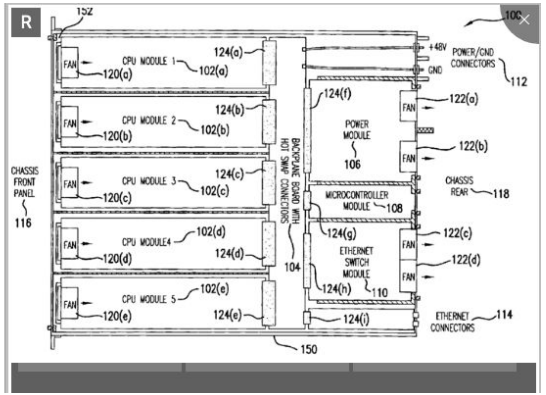
Which claim terms are or are not in the specification?



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

Selected elements of ‘021 Claim 1 | Selected elements of Claim ‘021 in Spec | Figures of ‘021

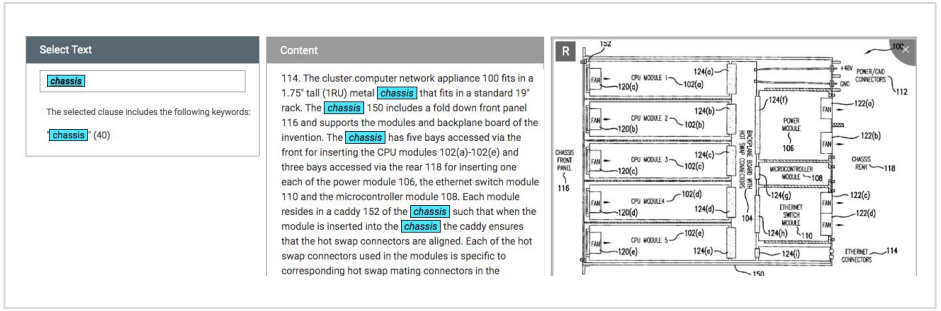




Source: Quality Insights

Map claims to specification and Complaint - ‘021

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?

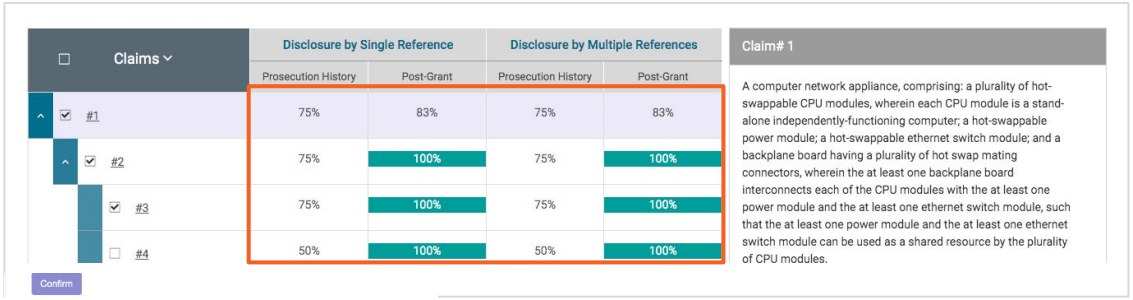
1955 Blade Enclosure. The chasses include a midplane, or backplane board (as claimed in claim 3 of the ’021 patent via base claim 1) with a number of hot-swappable mating connectors, that interconnects the blade servers, power supplies, and ethernet switch modules in the chassis and is used as a shared resource. Dell’s hot-swappable blade servers include caddies that provide airflow from the front to the reach of the chassis and that carry CPU modules that include a stand-alone independently-functioning computer and are inserted into the chassis (as claimed in claim 3 of the ’021 patent). Dell’s hot-swappable blade servers (as claimed in

Source: Quality Insights

Map claims to the file wrapper - ‘021

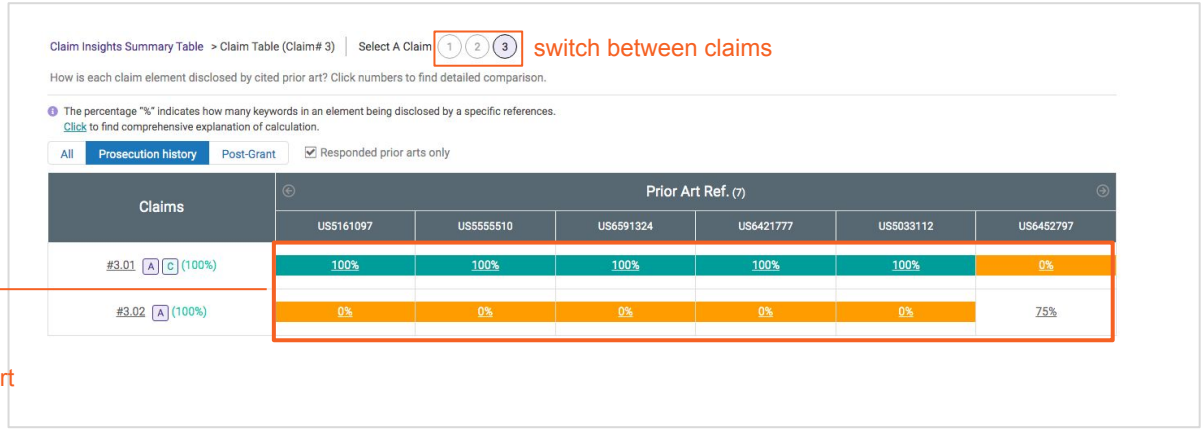
Which claim terms are in the file wrapper(i.e. examiner’s opinion) ?

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.

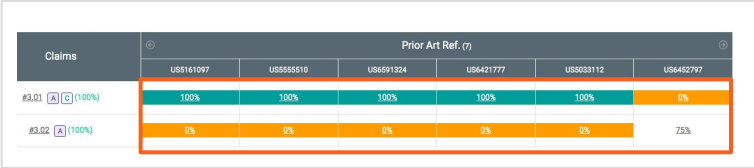


Disclosure Rate by Prior Art

Source: Quality Insights

Map claims terms to the file wrapper - ‘021

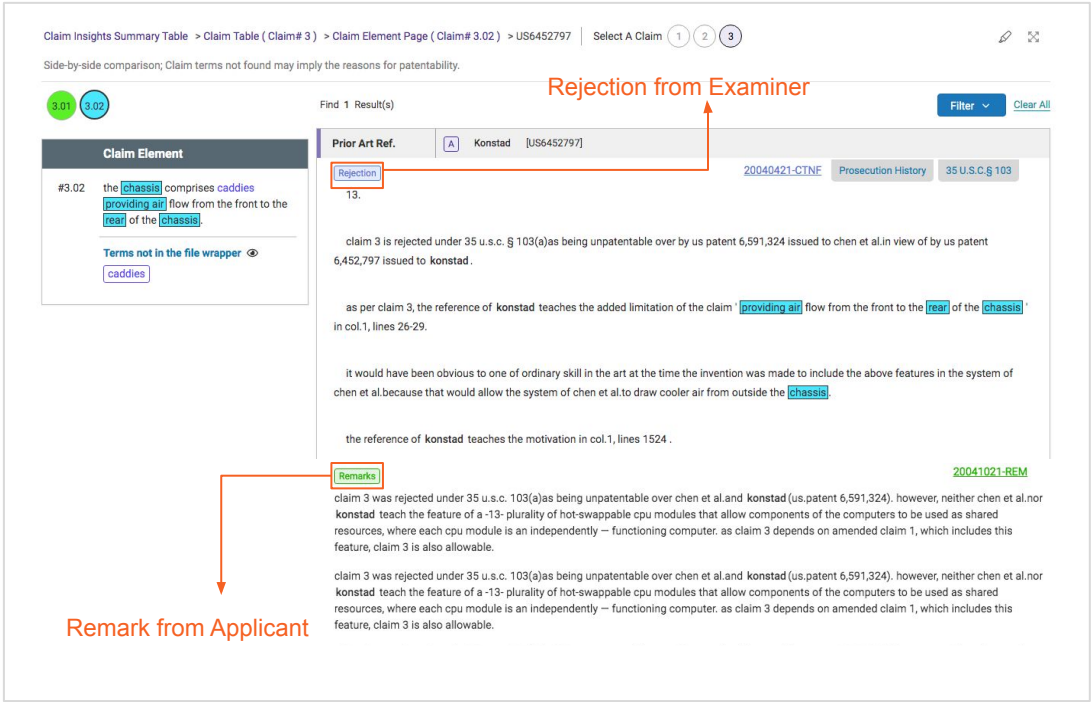
Why was this patent granted? Which claims were amended and how did the scope change?



All of the limitations of this asserted claim element in ‘021 were 75% known by Konstad (US6452797).

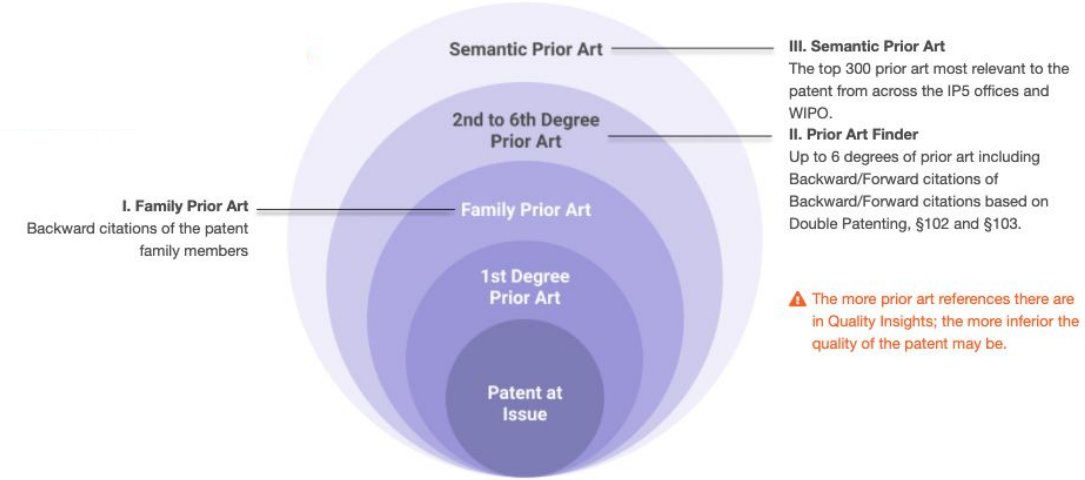
Answer the questions:

Why was this patent granted?



Source: Quality Insights

How does Quality Insights generate prior art?



Source: Quality Insights

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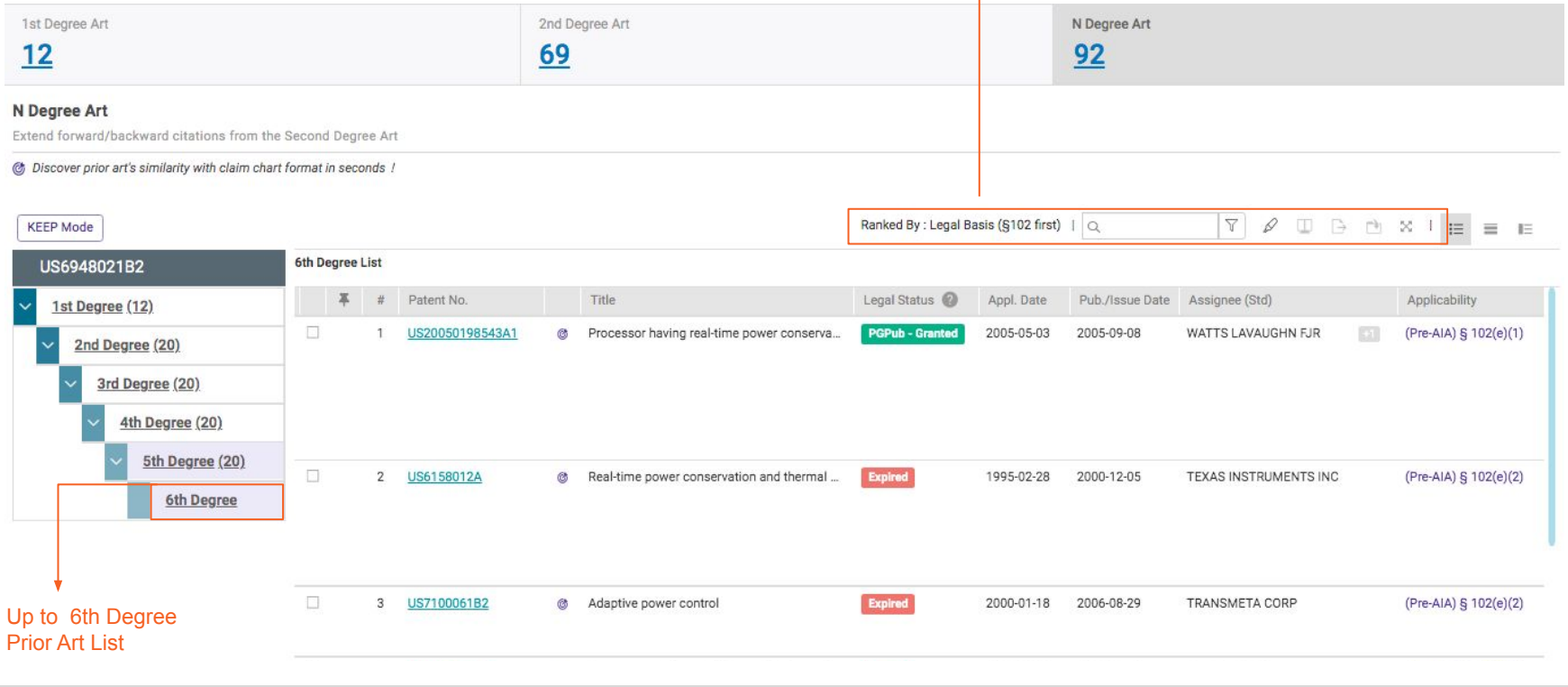
Prior Art Finder

Prior Art Finder for ‘021

Review cited and citing patents of ‘021 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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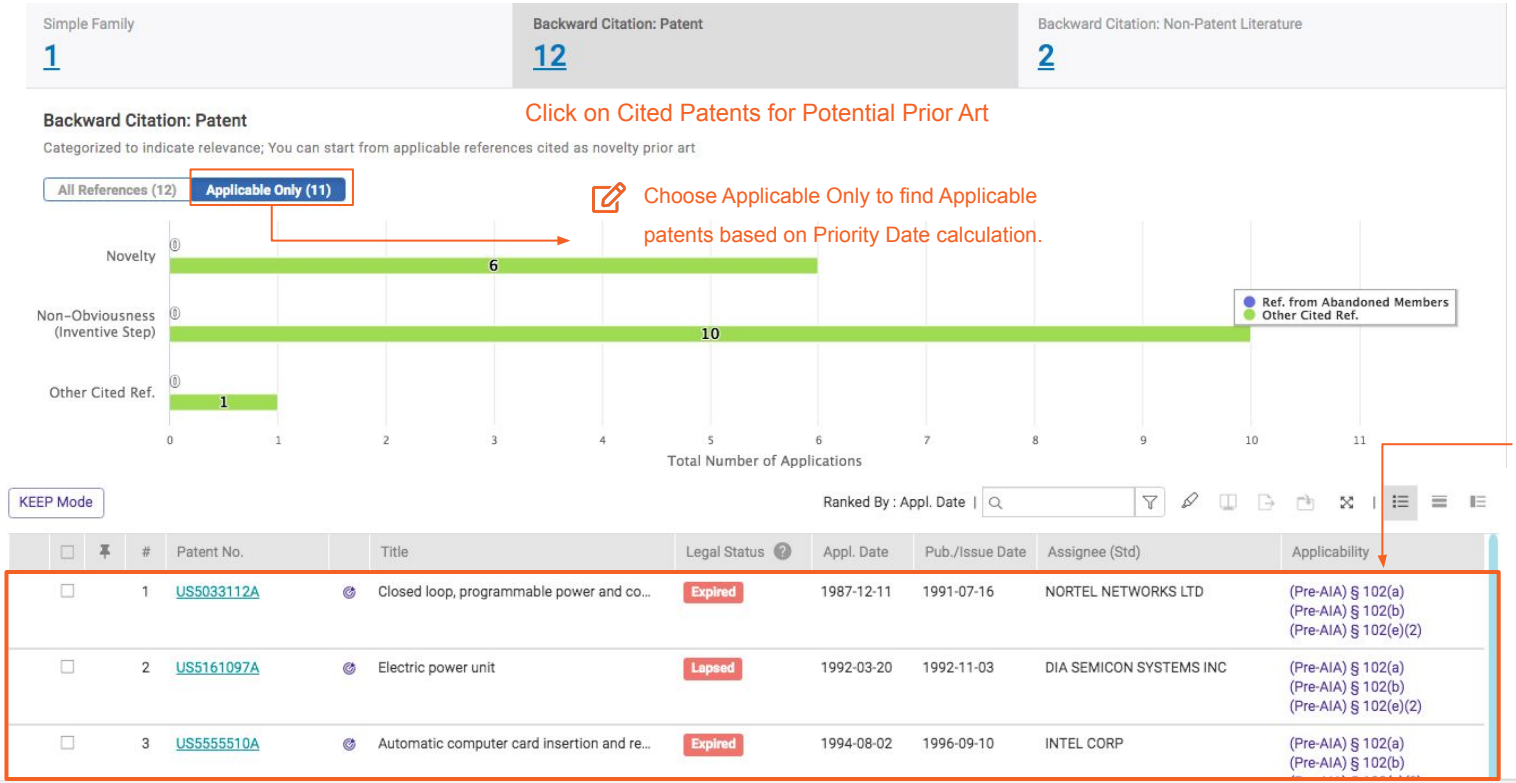
Family Prior Art

Family Prior Art of '021

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



Source: Quality Insights

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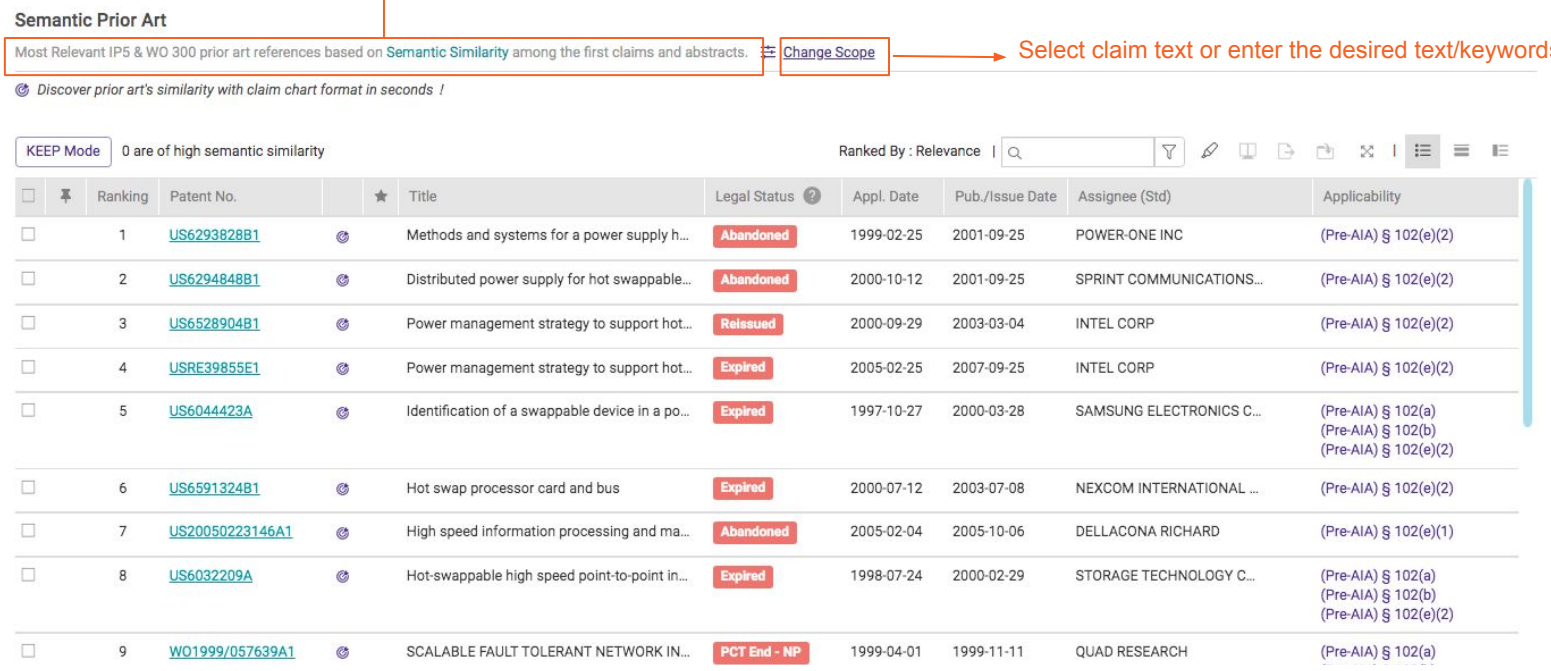
Semantic Prior Art

Semantic Prior Art of ‘021

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



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 !

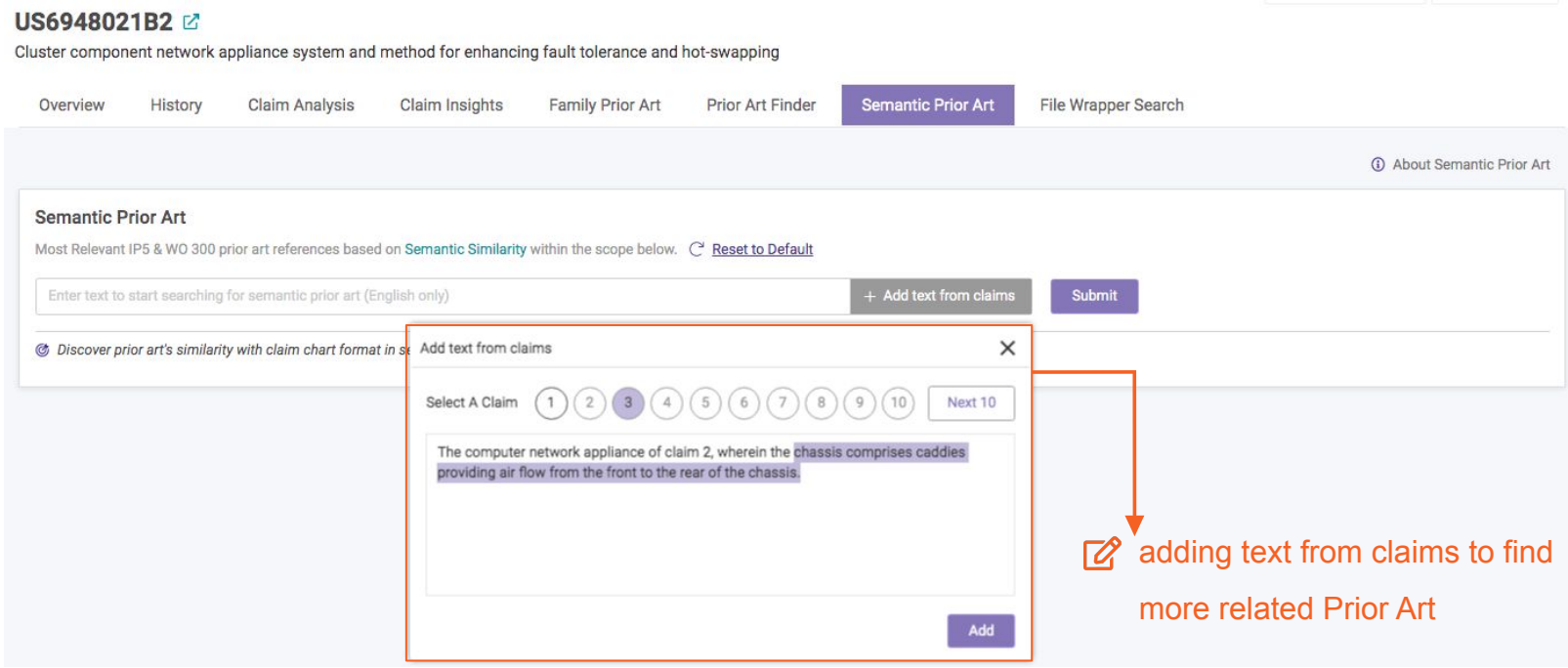
KEEP Mode | 0 are of high semantic similarity | Ranked By : Relevance

Ranking	Patent No.	Title	Legal Status	Appl. Date	Pub./Issue Date	Assignee (Std)	Applicability
1	US6293828B1	Methods and systems for a power supply h...	Abandoned	1999-02-25	2001-09-25	POWER-ONE INC	(Pre-AIA) § 102(e)(2)
2	US6294848B1	Distributed power supply for hot swappable...	Abandoned	2000-10-12	2001-09-25	SPRINT COMMUNICATIONS...	(Pre-AIA) § 102(e)(2)
3	US6528904B1	Power management strategy to support hot...	Reissued	2000-09-29	2003-03-04	INTEL CORP	(Pre-AIA) § 102(e)(2)
4	USRE39855E1	Power management strategy to support hot...	Expired	2005-02-25	2007-09-25	INTEL CORP	(Pre-AIA) § 102(e)(2)
5	US6044423A	Identification of a swappable device in a po...	Expired	1997-10-27	2000-03-28	SAMSUNG ELECTRONICS C...	(Pre-AIA) § 102(a) (Pre-AIA) § 102(b) (Pre-AIA) § 102(e)(2)
6	US6591324B1	Hot swap processor card and bus	Expired	2000-07-12	2003-07-08	NEXCOM INTERNATIONAL ...	(Pre-AIA) § 102(e)(2)
7	US20050223146A1	High speed information processing and ma...	Abandoned	2005-02-04	2005-10-06	DELLACONA RICHARD	(Pre-AIA) § 102(e)(1)
8	US6032209A	Hot-swappable high speed point-to-point in...	Expired	1998-07-24	2000-02-29	STORAGE TECHNOLOGY C...	(Pre-AIA) § 102(a) (Pre-AIA) § 102(b) (Pre-AIA) § 102(e)(2)
9	WO1999/057639A1	SCALABLE FAULT TOLERANT NETWORK IN...	PCT End - NP	1999-04-01	1999-11-11	QUAD RESEARCH	(Pre-AIA) § 102(a)

Source: Quality Insights

Semantic Prior Art of ‘021

Review potential prior art ranked by concept similarity



Source: Quality Insights

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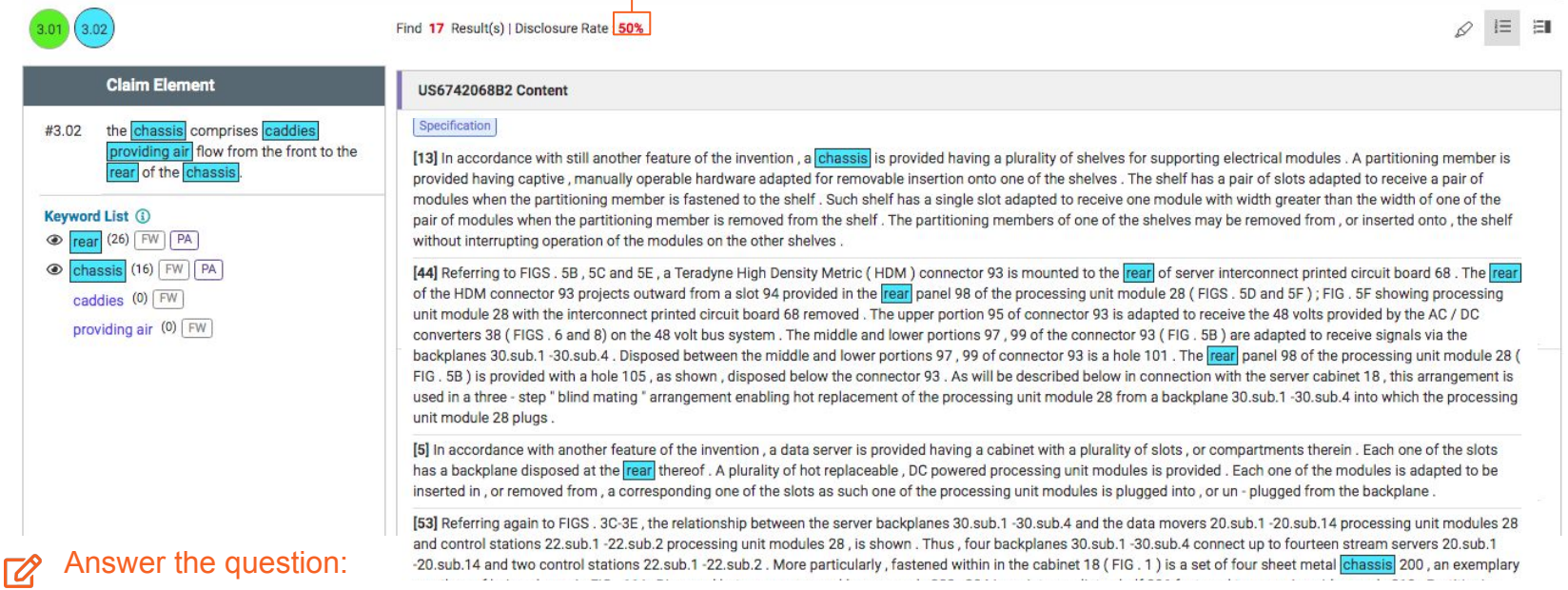
Comparison tools

Prior Art Comparison (claim chart format)

What does this prior art say about the critical elements?

Disclosure Rate of Prior Art



Answer the question:

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

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 - '068	3rd Degree Citation Prior Art - B
3	The computer network appliance of claim 2,	Refer to Claim Analysis results	0%	……
	wherein the chassis comprises caddies providing air flow from the front to the rear of the chassis.	……	50%	……

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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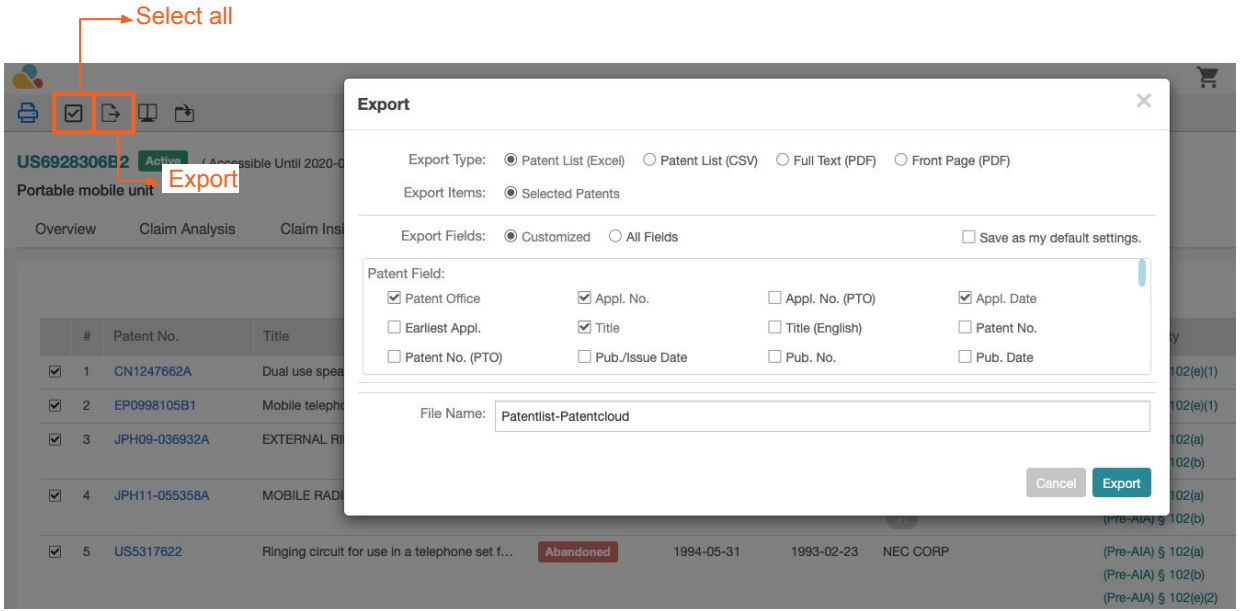
Prior Art downloads

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 - ‘021

1 Prosecution & 2 Post-Grant

Event History	Family Status	Prior Art Status
3	1 Applications	421 Applications / 5 NPL References

# of Family Counterparts and Legal Status

# of Highly Relevant Prior Art References

Event History | 1 Prosecution History / 2 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 - ‘021

Prosecution History

09/987917 Prior Art Ref. | 6 Ref.

Check prior art cited and the legal basis of these challenges

Double Patenting 0 Ref.

§ 102 4 Ref.
US5161097 US6591324 US6421777 US5033112

§ 103 6 Ref.
US6452797 (1st) Konstad
US5161097 (1st)
US5555510 (1st) Verseput
US6421777 (1st) Pierre-Louis
US5033112 (1st) Bowling
US6591324 Chen

Summary of 09/987917 History | 9 Event(s)

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

Direct links to Grounds,

Claims Highlighted and Prior Art Details

Data Last Updated on: 2021-09-16

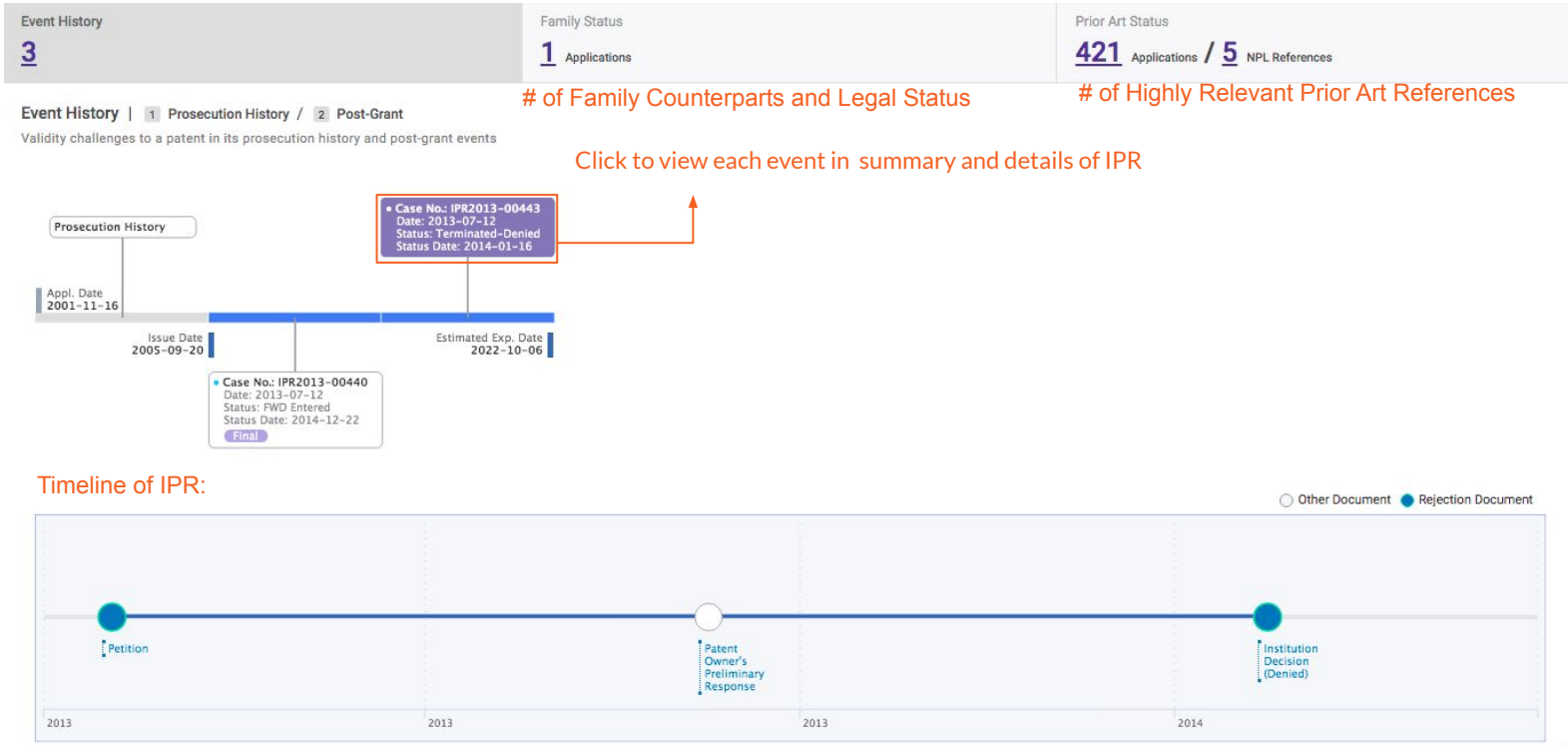
Descriptions (Code)	Date	Prior Art Ref.
Notice of Allowance (NOA)	2005-02-28	
Notice of Allowance (NOA)	2005-02-28	
Applicant Arguments/Remarks Made in an Amendment (REM) Claims (CLM)	2005-02-08	
Final Rejection (CTFR)	2004-11-08	Grounds 3

Legal Basis	Claims	Prior Art Ref.
35 U.S.C.§ 103	claim 38,39	Bowling US5033112 (1st) US5161097
35 U.S.C.§ 102	claim 37	US5033112
35 U.S.C.§ 112	claim 37,38,39	

Source: Quality Insights

Key Events - ‘021

Post-Grant History



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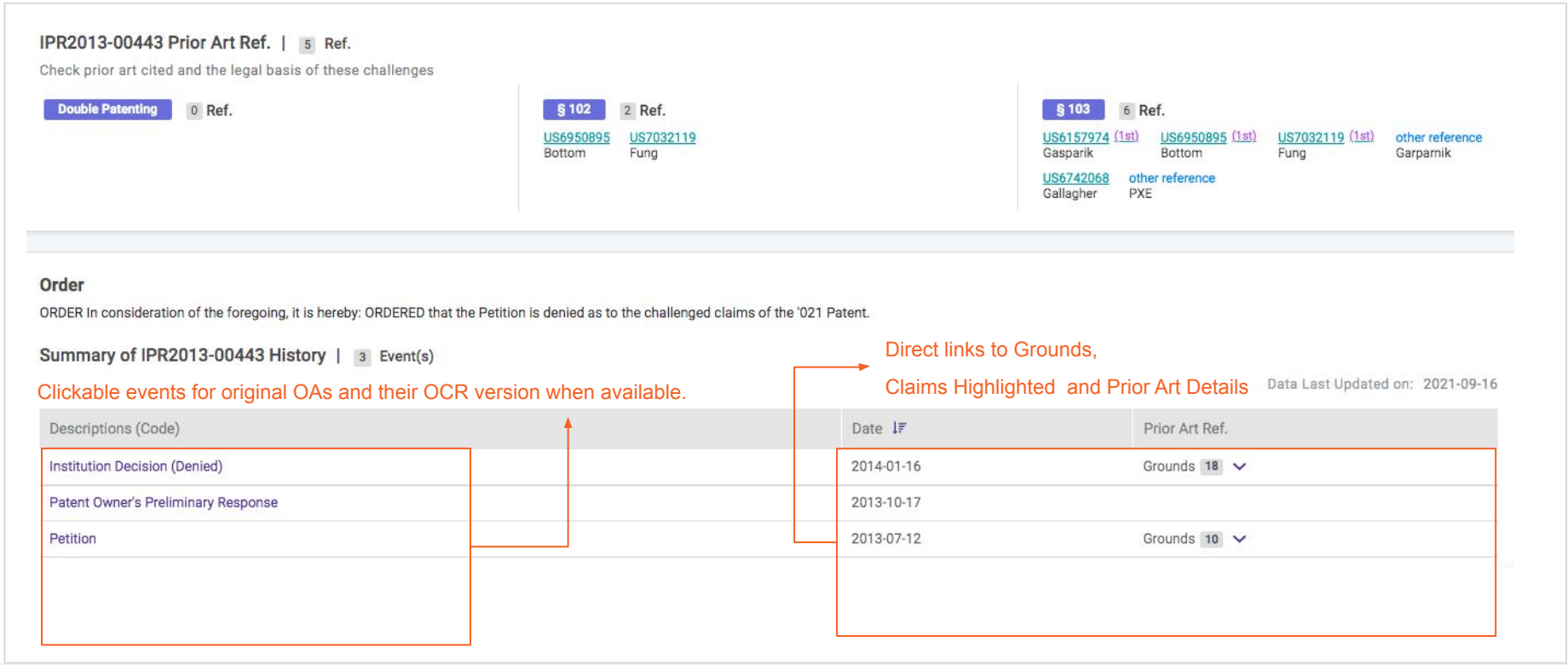
Key Events - ‘021

Post Grant History



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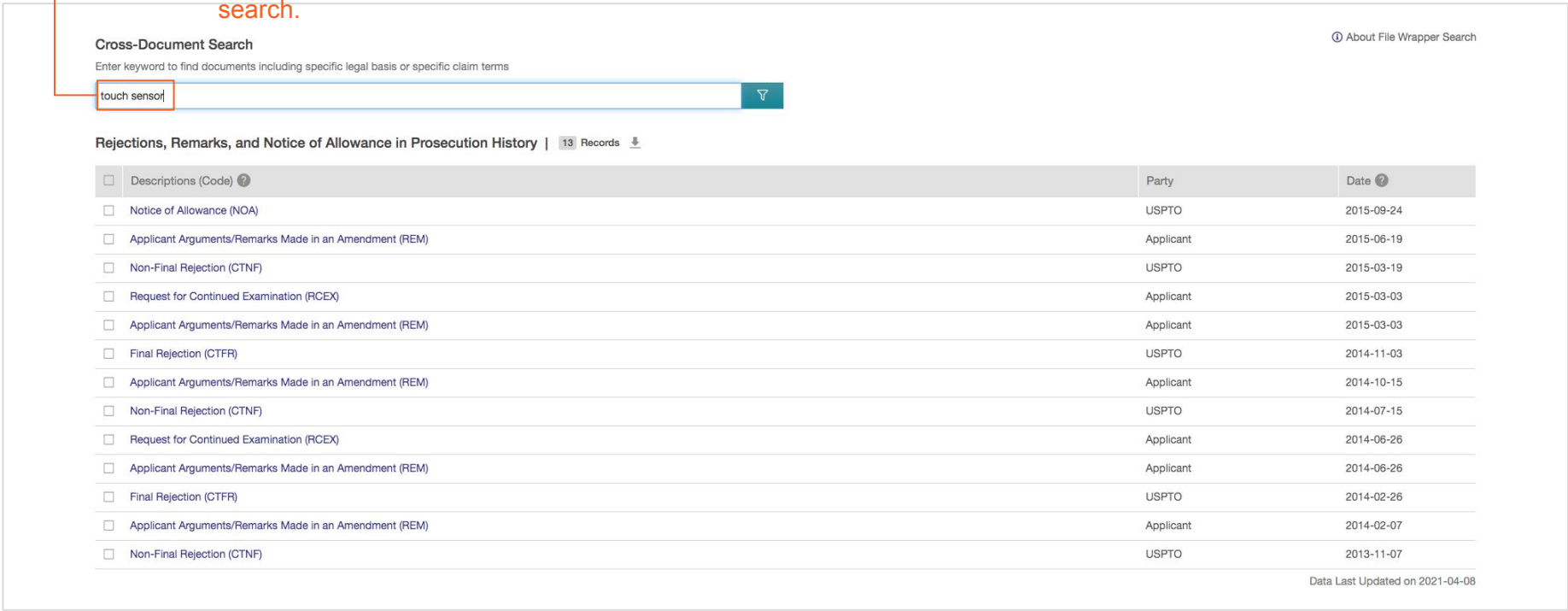
Prosecution and PTAB History Search

Patent File Wrapper Search

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



Source: Quality Insights

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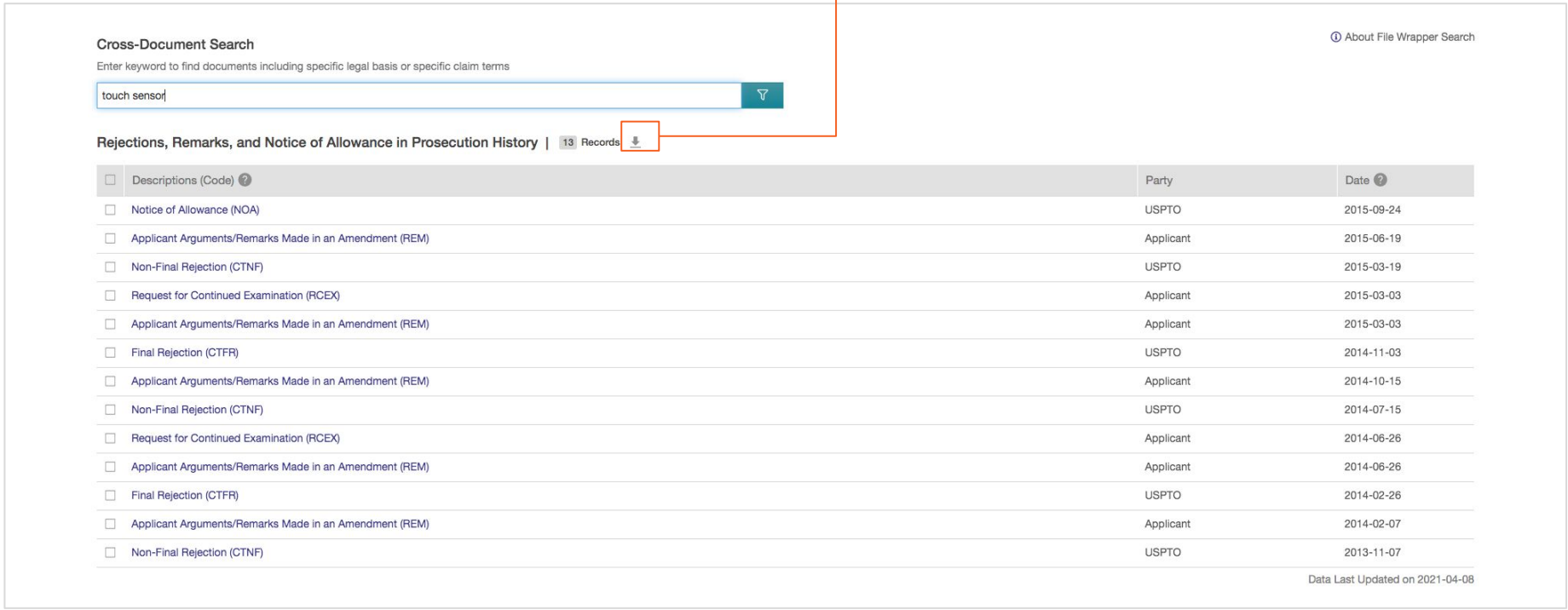
Prosecution and PTAB History PDF Downloads

PDF Downloads

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



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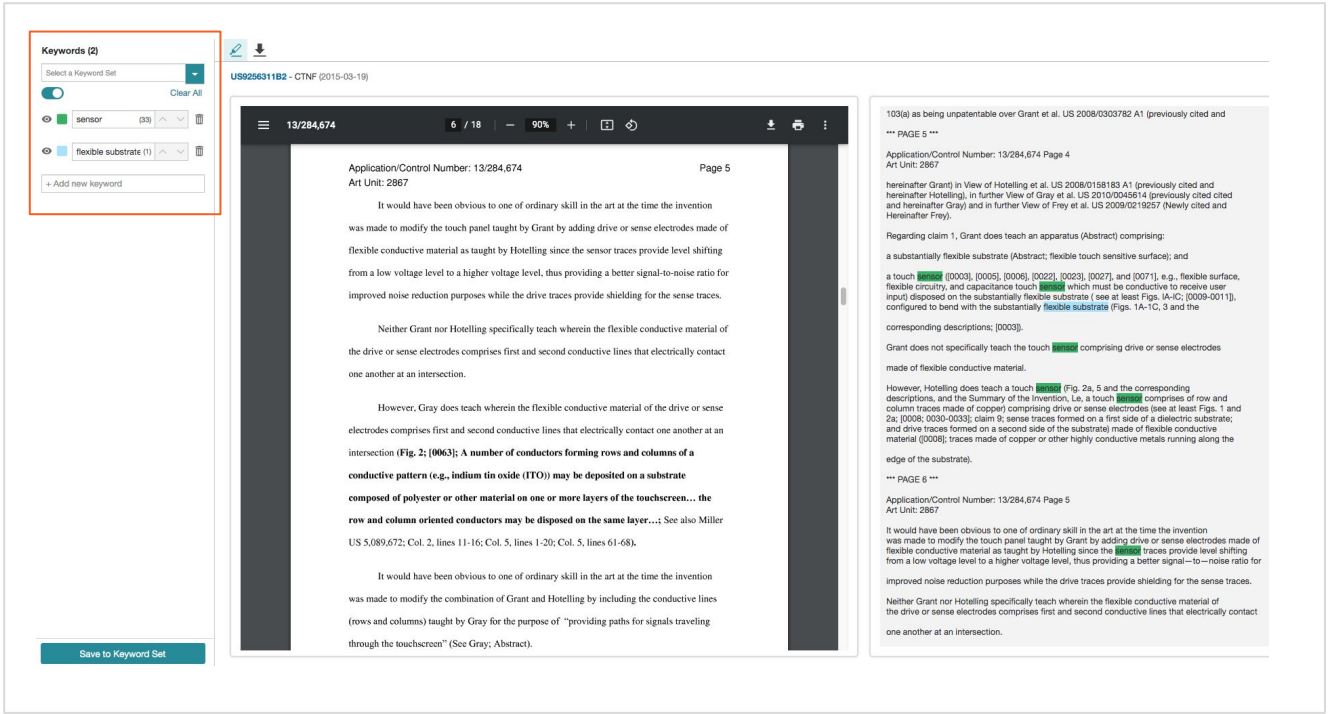
Prosecution and PTAB History Side-by-side PDF and OCR

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

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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