Patentcloud Quality Insights Annotation Report

Intellectual Ventures I LLC et al v. Honda Motor Company, Ltd. et al

EDTX-2-21-cv-00390

Focus on: U.S. Pat. No. 10,292,138

Filing date: Oct. 19, 2021

InQuartik's Proprietary and Copyright@2021. All rights reserved.

Table of contents

Click on a page number to read

Claim Construction and § 112 Invalidity

Map claims to specification and file wrapper 3

§ 102 and § 103 Invalidity

Prior Art Finder 10

Family Prior Art 12

Semantic Prior Art 14

Comparison tools 17

Prior art downloads 20

Organized Prosecution and PTAB History

View key events 22

Searchable file wrapper 25

PDF downloads 27

Side-by-side PDF and OCR 29

InQuartik's Proprietary and Copyright@2021. All rights reserved.

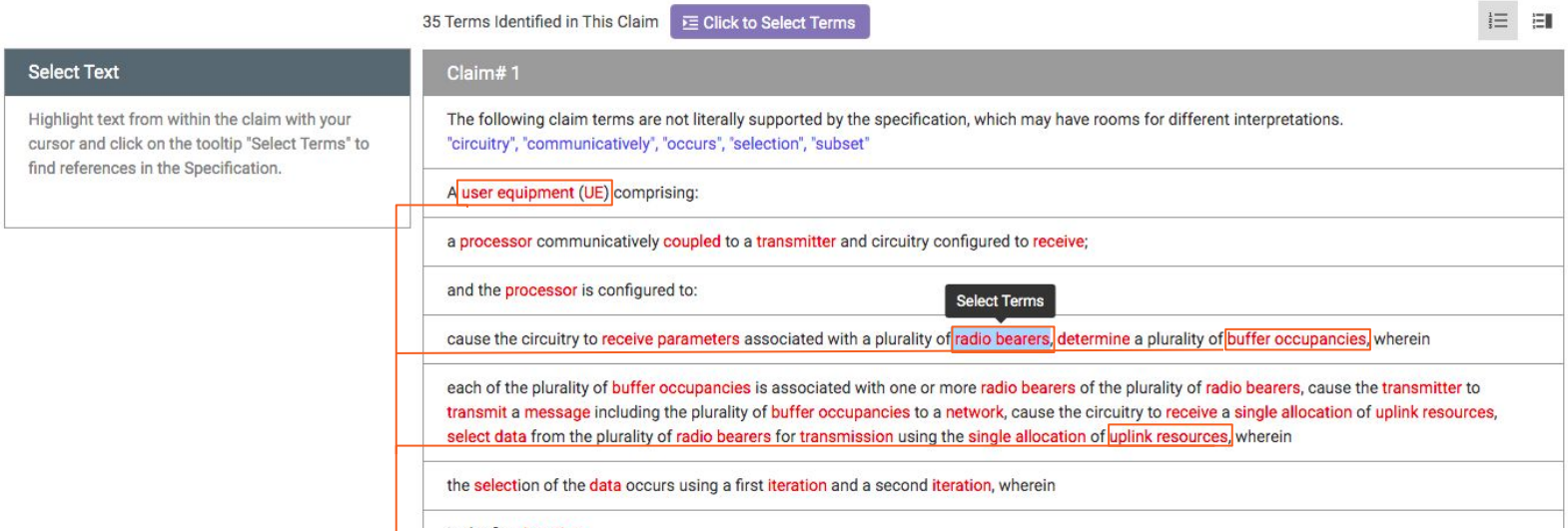
← Go back to the outline

Map claims to specification and file wrapper

InQuartik's Proprietary and Copyright@2021. All rights reserved.

Map claims to specification - ‘138

Which claim terms are or are not in the specification?



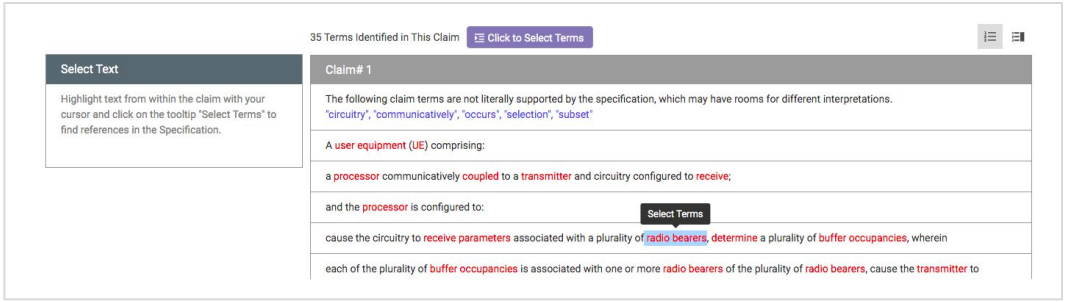
Claim Analysis **finds** these terms in the spec: “***user equipment(UE)***”, “***radio bearers”***, “***buffer occupancies***”, “***uplink resources***”, as well as other terms that are highlighted in red.

Source: Quality Insights

InQuartik’s Proprietary and Copyright@2021. All rights reserved.

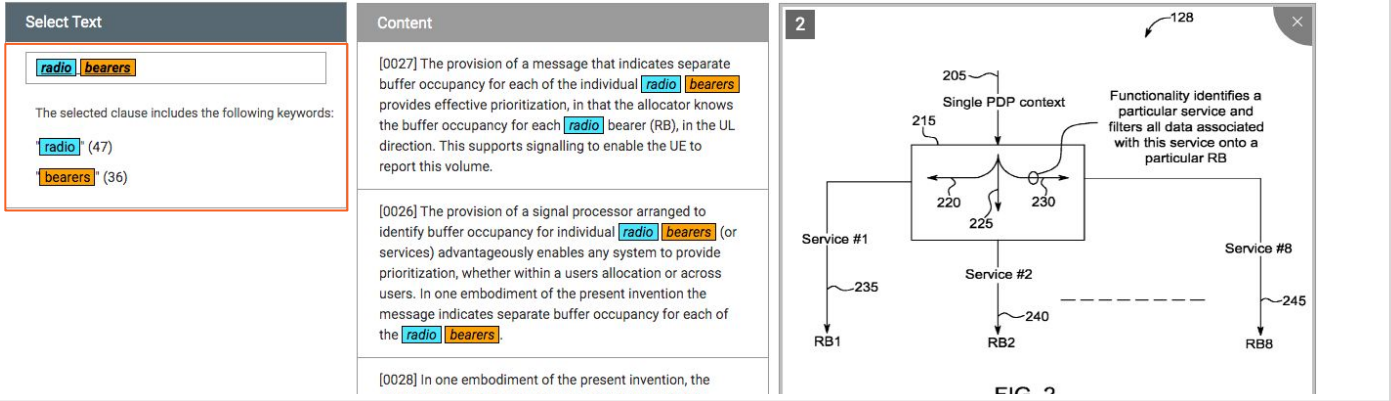
Map claims to specification - ‘138

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 ‘138 Claim 1 Selected elements of Claim ‘1 in Spec Figures of ‘138

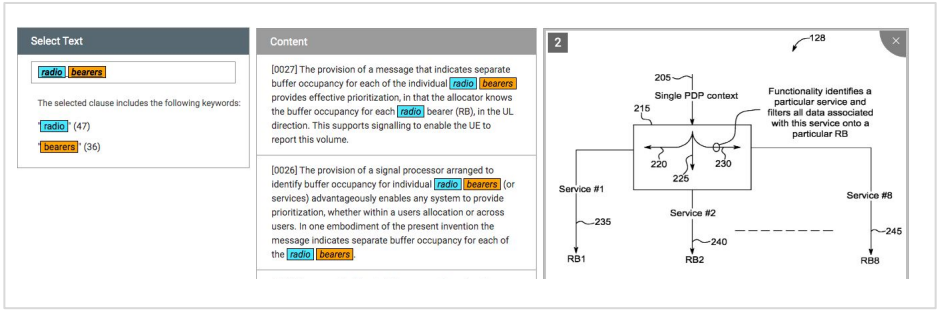


Source: Quality Insights

InQuartik’s Proprietary and Copyright@2021. All rights reserved.

Map claims to specification and Complaint - ‘138

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?

178. Upon information and belief, the Honda Count VIII Automobiles’ Mobile Hotspot, HondaLink®, and/or 4G LTE modem comprise a processor further configured to cause the circuitry to receive parameters associated with a plurality of radio bearers.

4.3.2 Control plane

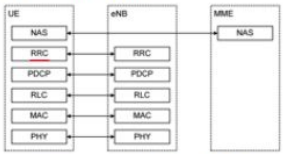


Figure 4.3.2-1: Control-plane protocol stack

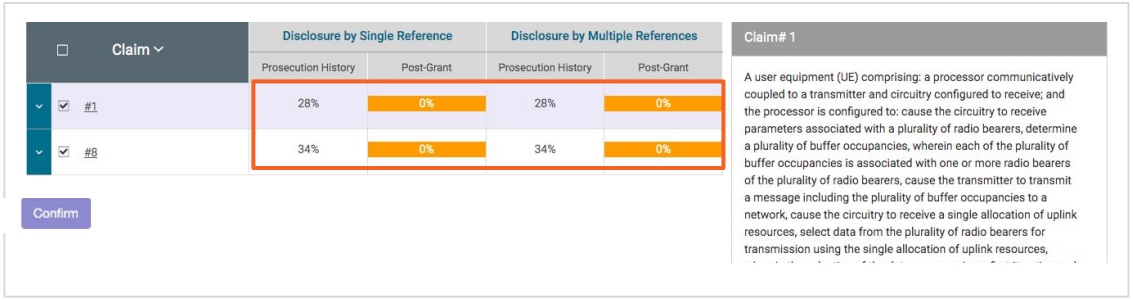
Source: Quality Insights

InQuartik’s Proprietary and Copyright@2021. All rights reserved.

Map claims to the file wrapper - ‘138

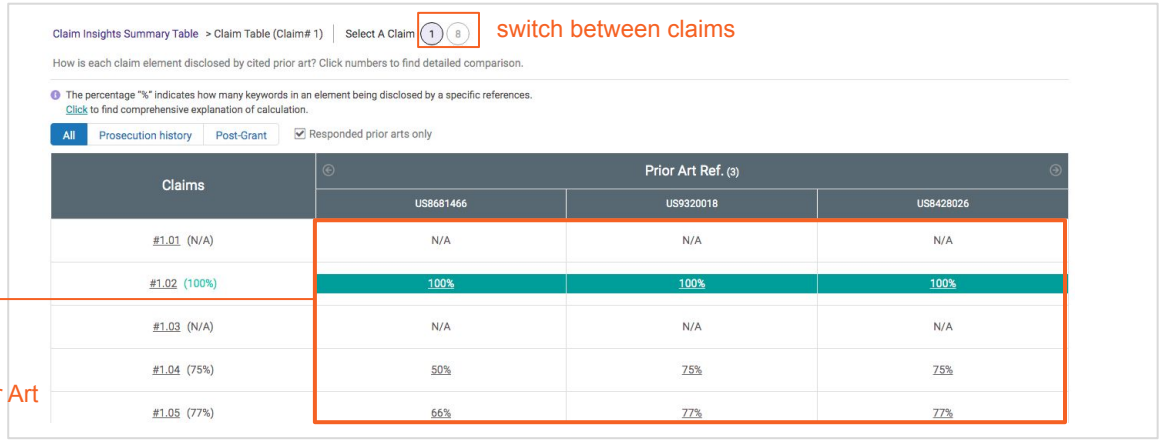
Which claim terms are in the file wrapper(i.e. examiner’s opinion) ?

Disclosure Rate by Prior Art



From ***Claim Insights***, 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

InQuartik’s Proprietary and Copyright@2021. All rights reserved.

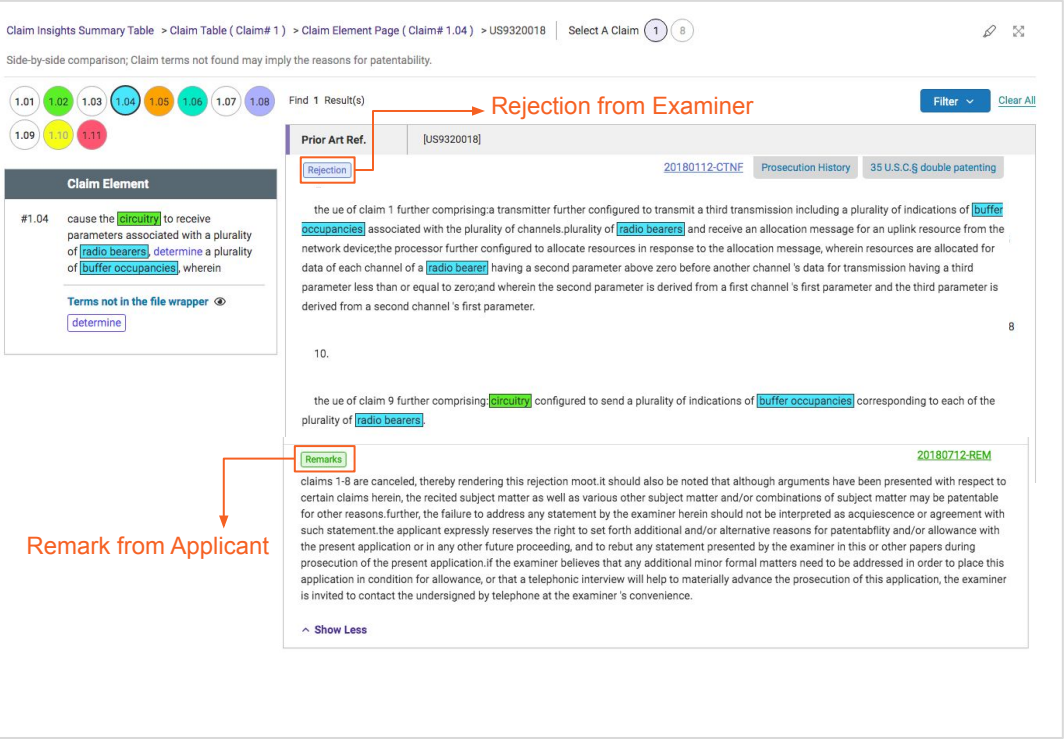
Map claims terms to the file wrapper - ‘138

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 ‘138 were 75% known by US9320018.

Answer the question:

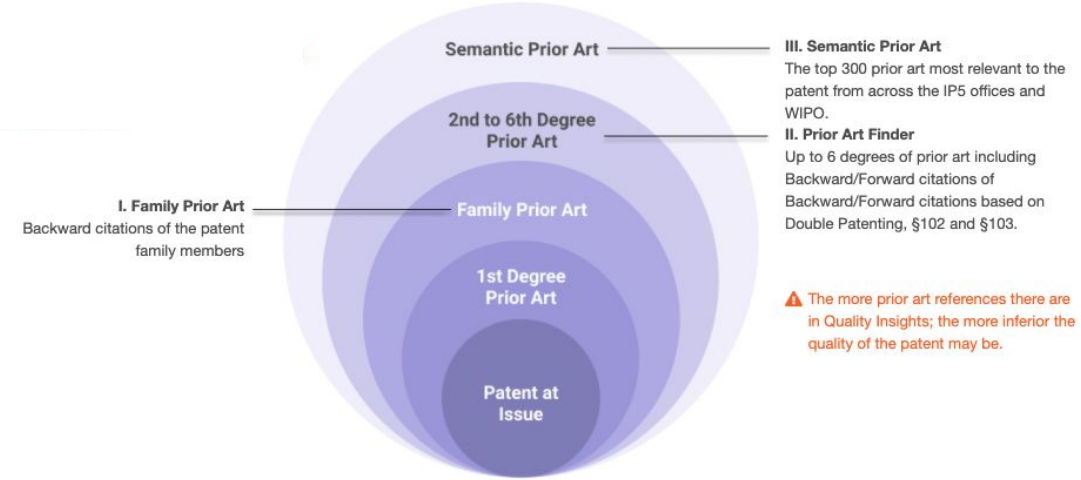
Why was this patent granted?



Source: Quality Insights

InQuartik’s Proprietary and Copyright@2021. All rights reserved.

How does Quality Insights generate prior art?



Source: Quality Insights

InQuartik's Proprietary and Copyright@2021. All rights reserved.

← Go back to the outline

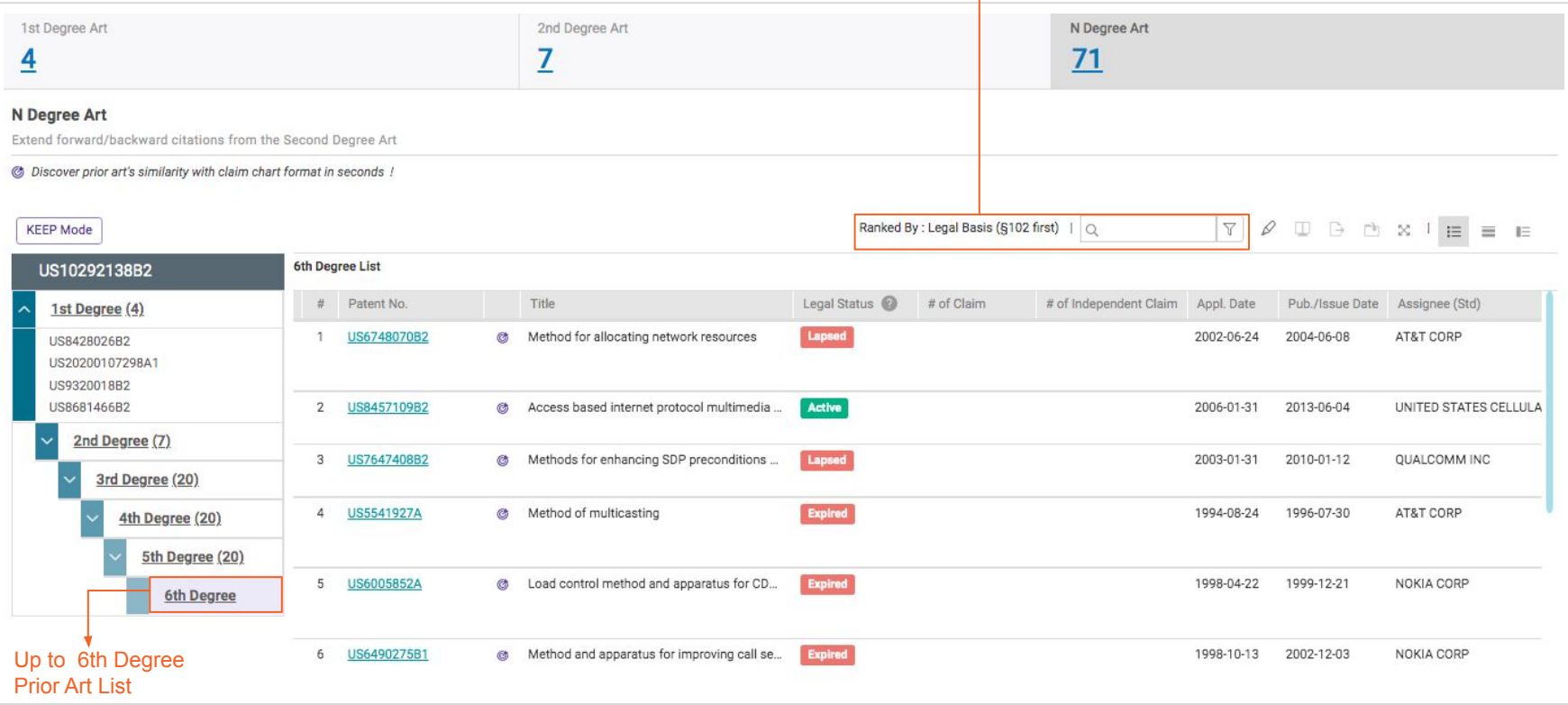
Prior Art Finder

InQuartik's Proprietary and Copyright@2021. All rights reserved.

Prior Art Finder for ‘138

Review cited and citing patents of ‘138 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

InQuartik’s Proprietary and Copyright@2021. All rights reserved.

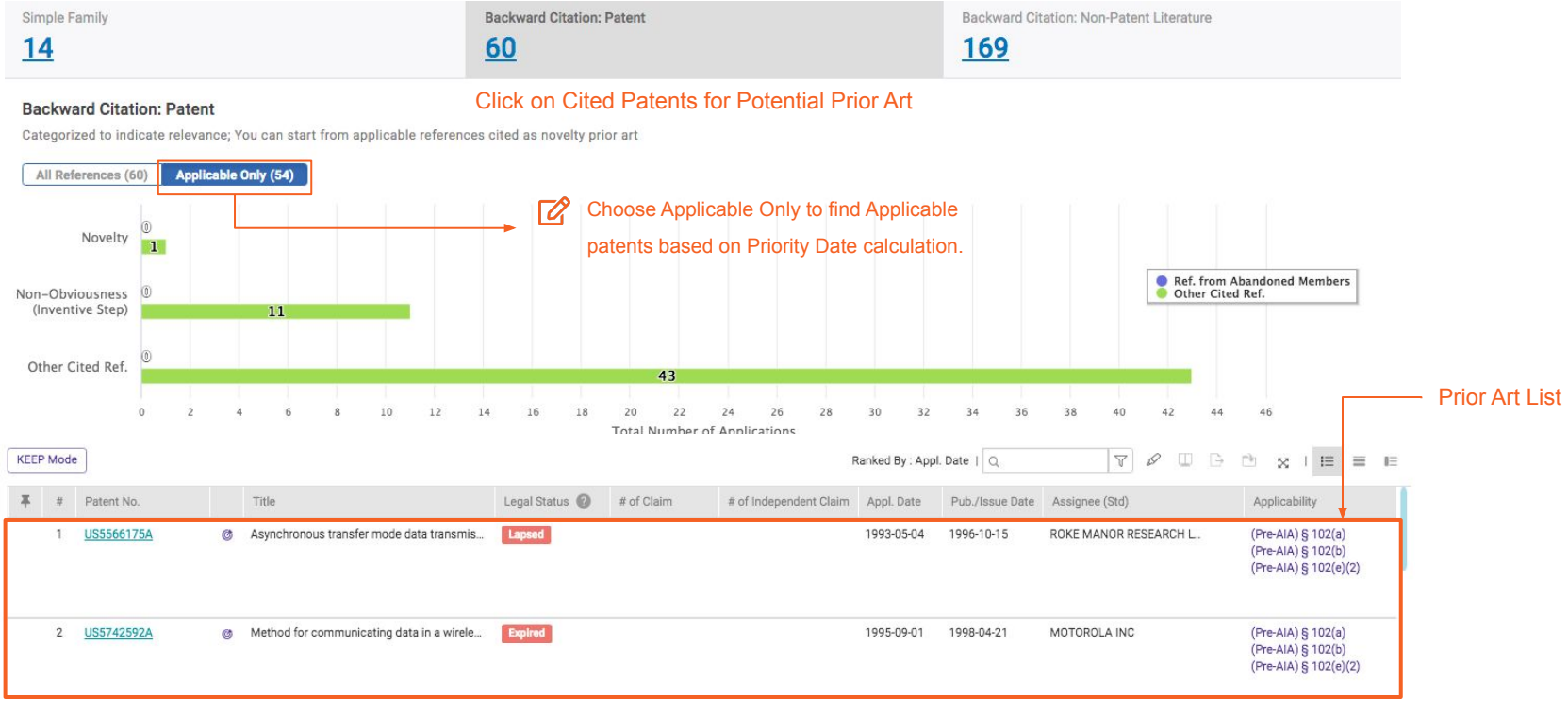
← Go back to the outline

Family Prior Art

InQuartik's Proprietary and Copyright@2021. All rights reserved.

Family Prior Art of ‘138

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



Source: Quality Insights

InQuartik’s Proprietary and Copyright@2021. All rights reserved.

← Go back to the outline

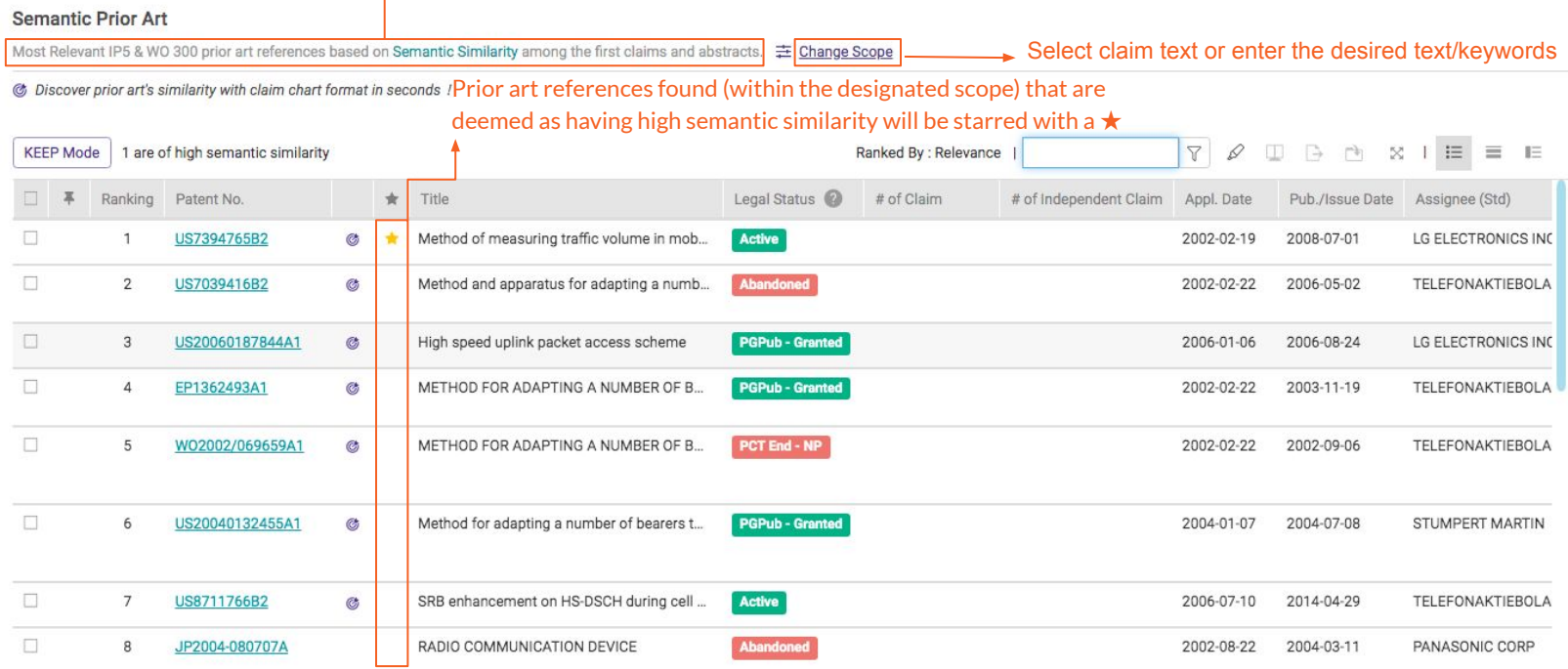
Semantic Prior Art

InQuartik's Proprietary and Copyright@2021. All rights reserved.

Semantic Prior Art of 138

Review potential prior art ranked by concept similarity

Across IP5 and WIPO thanks to Patentcloud's proprietary algorithm



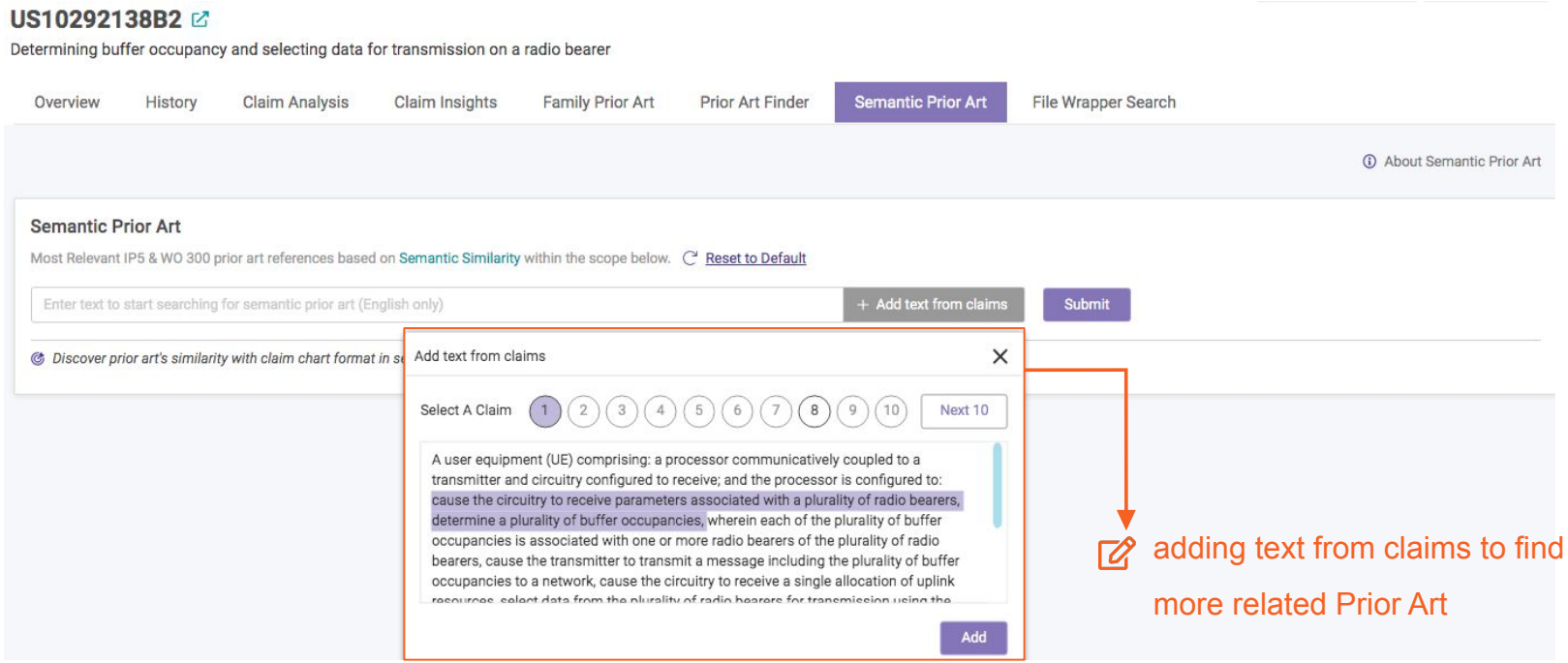
	Ranking	Patent No.		Title	Legal Status	# of Claim	# of Independent Claim	Appl. Date	Pub./Issue Date	Assignee (Std)
☐	1	US7394765B2		Method of measuring traffic volume in mob...	Active			2002-02-19	2008-07-01	LG ELECTRONICS INC
☐	2	US7039416B2		Method and apparatus for adapting a numb...	Abandoned			2002-02-22	2006-05-02	TELEFONAKTIEBOLA
☐	3	US20060187844A1		High speed uplink packet access scheme	PGPub - Granted			2006-01-06	2006-08-24	LG ELECTRONICS INC
☐	4	EP1362493A1		METHOD FOR ADAPTING A NUMBER OF B...	PGPub - Granted			2002-02-22	2003-11-19	TELEFONAKTIEBOLA
☐	5	WO2002/069659A1		METHOD FOR ADAPTING A NUMBER OF B...	PCT End - NP			2002-02-22	2002-09-06	TELEFONAKTIEBOLA
☐	6	US20040132455A1		Method for adapting a number of bearers t...	PGPub - Granted			2004-01-07	2004-07-08	STUMPERT MARTIN
☐	7	US8711766B2		SRB enhancement on HS-DSCH during cell ...	Active			2006-07-10	2014-04-29	TELEFONAKTIEBOLA
☐	8	JP2004-080707A		RADIO COMMUNICATION DEVICE	Abandoned			2002-08-22	2004-03-11	PANASONIC CORP

Source: Quality Insights

InQuartik's Proprietary and Copyright@2021. All rights reserved.

Semantic Prior Art of ‘138

Review potential prior art ranked by concept similarity



Source: Quality Insights

InQuartik’s Proprietary and Copyright@2021. All rights reserved.

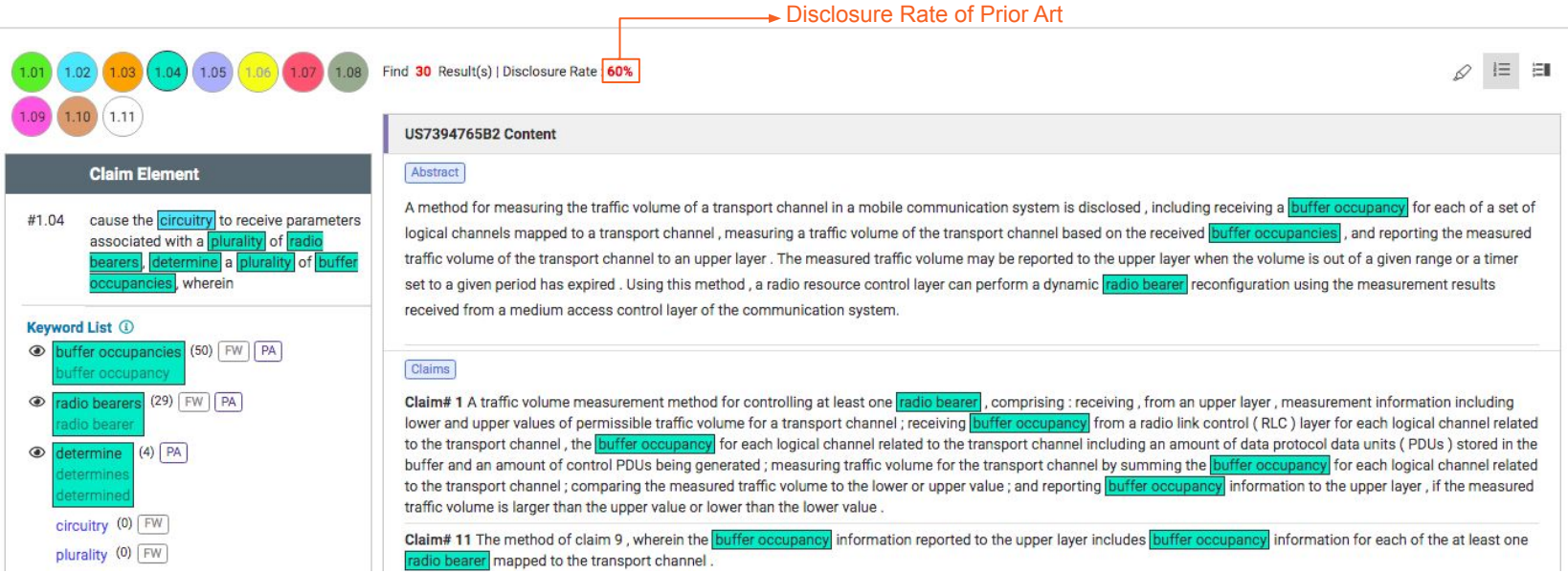
← Go back to the outline

Comparison tools

InQuartik's Proprietary and Copyright@2021. All rights reserved.

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: "buffer occupancy, "radio bearers" ?

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

Source: Quality Insights

InQuartik's Proprietary and Copyright@2021. All rights reserved.

Prior Art Comparison (sample output)

Easily generate a table like below

Claim		Claim-Term Interpretation	Semantic Prior Art - '765	3rd Degree Citation Prior Art - B
1	A user equipment (UE) comprising:	Refer to Claim Analysis results	100%	……
	a processor communicatively coupled to a transmitter and circuitry configured to receive; and the processor is configured to:		N/A	……
	cause the circuitry to receive parameters associated with a plurality of radio bearers, determine a plurality of buffer occupancies, wherein	……	60%	……
	each of the plurality of buffer occupancies is associated with one or more radio bearers of the plurality of radio bearers,.....using the single allocation of uplink resources, wherein	……	50%	……
	the selection of the data occurs using a first iteration and a second iteration, wherein in the first iteration,	……	N/A	
	the selection of the data is selected from a subset of the plurality of radio bearers based on the received parameters, wherein	……	33%	……
	in the second iteration,	……	N/A	
	the selection of the data is based on buffered data for respective radio bearers,	……	25%	
	and cause the transmitter to transmit a signal including the selected data.		33%	

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

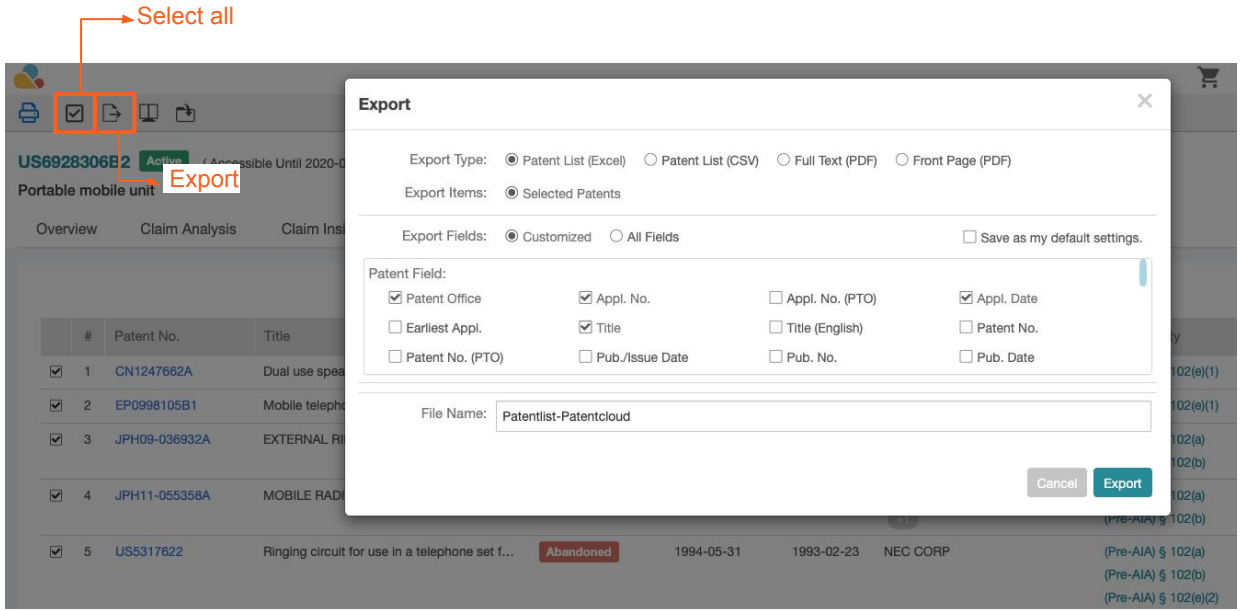
InQuartik's Proprietary and Copyright@2021. All rights reserved.

← Go back to the outline

Prior Art downloads

InQuartik's Proprietary and Copyright@2021. All rights reserved.

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

InQuartik's Proprietary and Copyright@2021. All rights reserved.

← Go back to the outline

Prosecution and PTAB History Key Events

InQuartik's Proprietary and Copyright@2021. All rights reserved.

Key Events - ‘138

1 Prosecution & 0 Post-Grant*

Event History	Family Status	Prior Art Status
1	14 Applications	365 Applications / 169 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**
RCEX	Request for Continued Examination
CTNF	Non-final rejection
CLM	Claims
REM	Remarks

Timeline of Prosecution:

*This complaint/petition is still pending institution. After institution, this case will appear under the Key Event tab.

Source: Quality Insights

InQuartik’s Proprietary and Copyright@2021. All rights reserved.

Key Events - ‘138

Prosecution History

15/618669 Prior Art Ref. | 3 Ref.

Check prior art cited and the legal basis of these challenges

Double Patenting 3 Ref.
US8681466 US9320018 US8428026

§ 102 0 Ref.

§ 103 0 Ref.

Summary of 15/618669 History | 6 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: 2021-09-08

Descriptions (Code)	Date	Prior Art Ref.
Notice of Allowance (NOA)	2019-01-08	
Request for Continued Examination (RCEX)	2018-12-11	
Notice of Allowance (NOA)	2018-09-11	
Applicant Arguments/Remarks Made in an Amendment (REM) Claims (CLM)	2018-07-12	
Non-Final Rejection (CTNF)	2018-01-12	Grounds 3

Legal Basis	Claims	Prior Art Ref.
double patenting	claim 1,2,3,4,5,6,7,8	US8681466
double patenting	claim 1,2,3,4,5,6,7,8	US9320018
double patenting	claim 1,2,6,7	US8428026

Claims (CLM)	2017-06-09	

Source: Quality Insights

InQuartik’s Proprietary and Copyright@2021. All rights reserved.

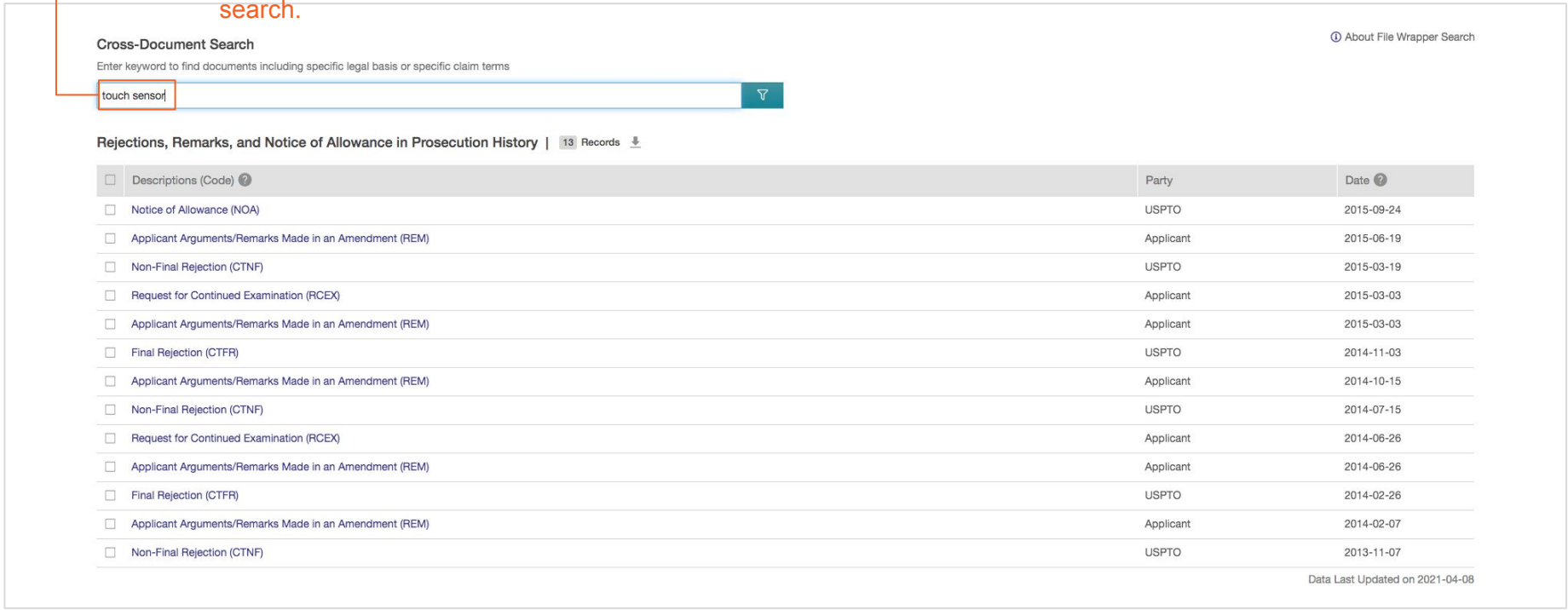
← Go back to the outline

Prosecution and PTAB History Search

InQuartik's Proprietary and Copyright@2021. All rights reserved.

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

InQuartik's Proprietary and Copyright@2021. All rights reserved.

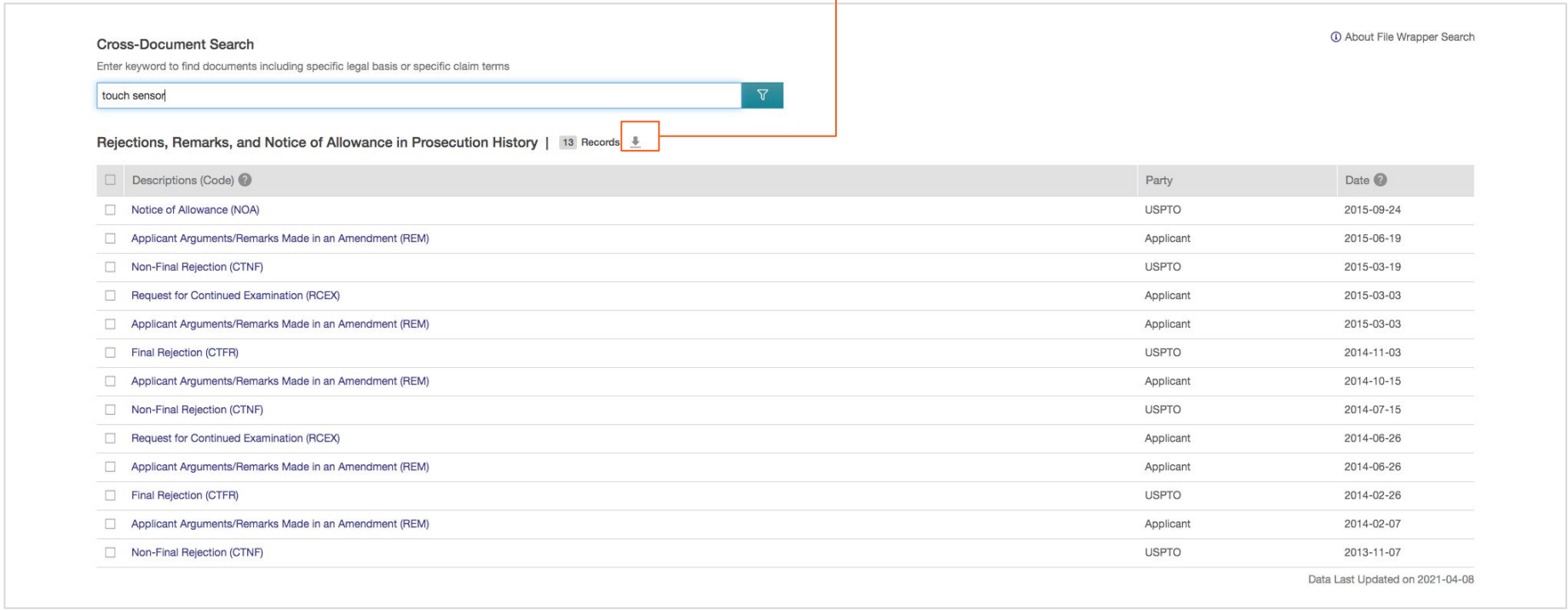
← Go back to the outline

Prosecution and PTAB History PDF Downloads

InQuartik's Proprietary and Copyright@2021. All rights reserved.

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

Source: Quality Insights

InQuartik's Proprietary and Copyright@2021. All rights reserved.

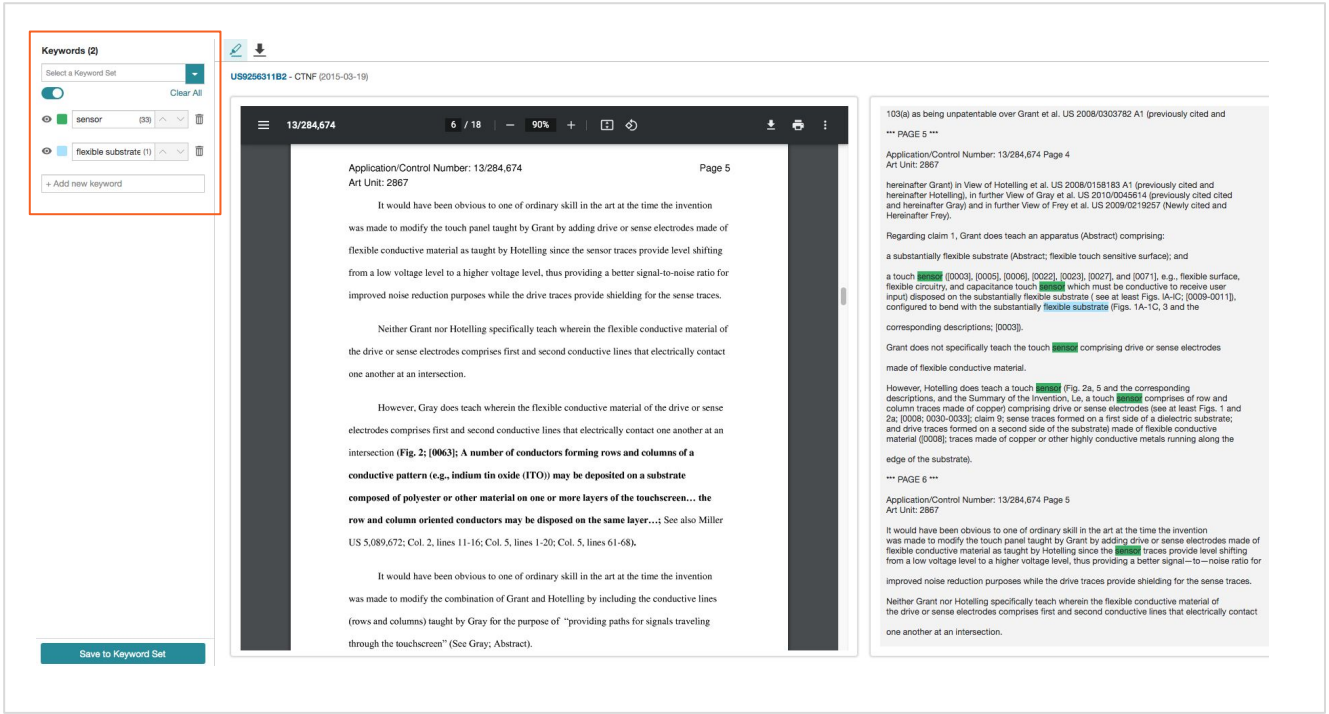
← Go back to the outline

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

InQuartik's Proprietary and Copyright@2021. All rights reserved.

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

InQuartik's Proprietary and Copyright@2021. All rights reserved.

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

InQuartik's Proprietary and Copyright@2021. All rights reserved.