



Quality Insights Annotation Report

Huawei Technologies Co. Ltd. v. Verizon Communications, Inc. et al EDTX-2-20-cv-00030

Focus on: U.S. Pat. No. 9,312,982

Filing date: Feb. 05, 2020

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Claim Construction and § 112 Invalidity

Map claims to specification and file wrapper

§ 102 and § 103 Invalidity

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Organized Prosecution and PTAB History

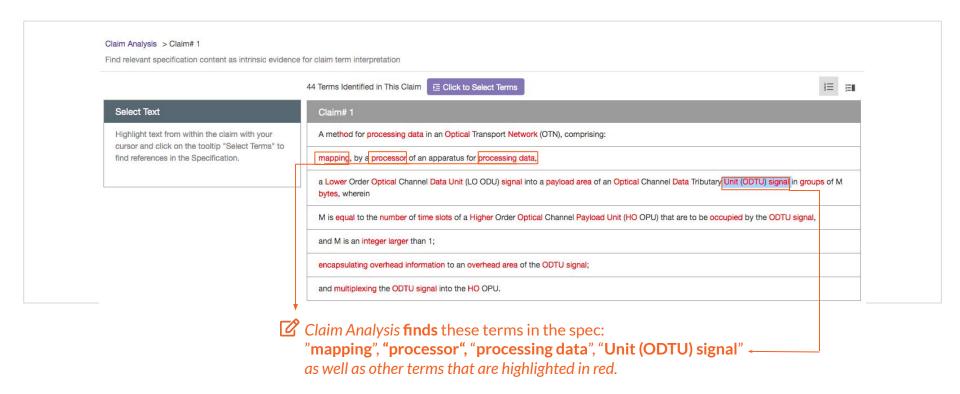
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Map claims to specification and file wrapper



Map claims to specification - '982

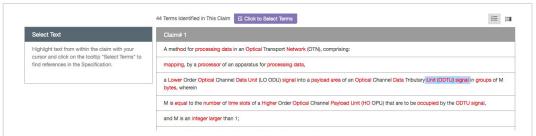
Which claim terms are or are not in the specification?



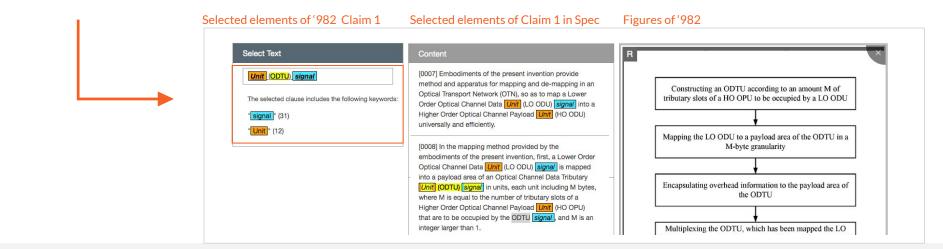


Map claims to specification - '982

Which claim terms are or are not in the specification?



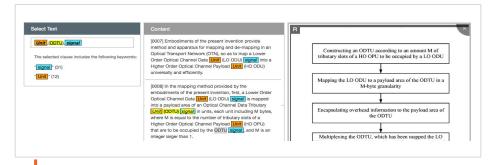
Review the selected claim element and see how it is defined in the patent specification and related figures.





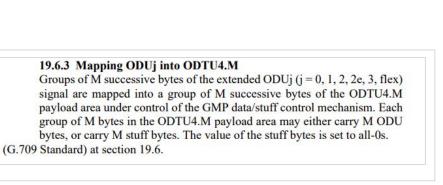
Map claims to specification and Complaint - '982

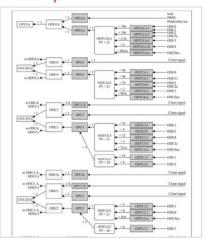
Does the allegedly infringing product element fall within or outside the patent's scope?





- 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?







Map claims to the file wrapper - '982

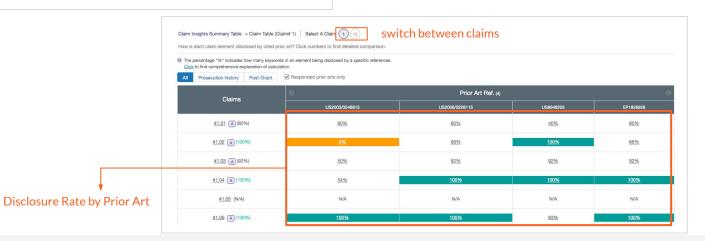
Which claim terms are in the file wrapper(i.e. examiner's opinion)?

Disclosure Rate by Prior Art

□ Claims ∨	Disclosure by Single Reference Disclosure by Multi		isclosure by Single Reference Disclosure by Multiple References		Claim# 1
U Ciairis	Prosecution History	Post-Grant	Prosecution History	Post-Grant	A method for processing data in an Optical Transport Network
☑ <u>#1</u>	66%	75%	66%	75%	(OTN), comprising: mapping, by a processor of an apparatus for processing data, a Lower Order Optical Channel Data Unit (LO ODU) signal into a payload area of an Optical Channel Data
□ <u>#5</u>	41%	66%	41%	66%	Tributary Unit (ODTU) signal in groups of M bytes, wherein M is equal to the number of time slots of a Higher Order Optical
<u>#9</u>	60%	60%	60%	60%	Channel Payload Unit (HO OPU) that are to be occupied by the ODTU signal, and M is an integer larger than 1; encapsulating overhead information to an overhead area of the ODTU signal;
₩ #12	40%	60%	40%	60%	and multiplexing the ODTU signal into the HO OPU.

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 - '982

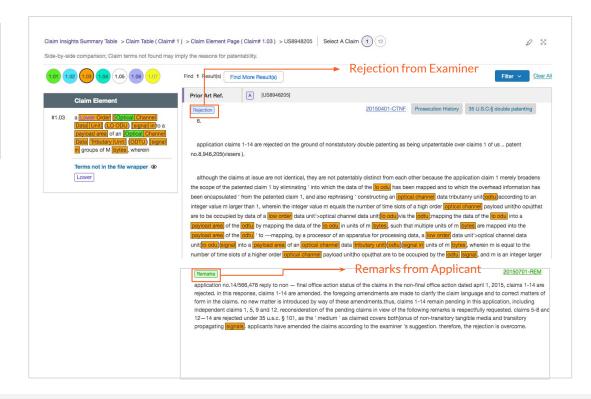
How was this patent challenged during Prosecution?

Claims	⊕ Prior Art Ref. (4)			
Cidiffis	US2003/0048813	US2006/0228115	US8948205	
#1.01 A (80%)	80%	80%	40%	
#1.02 A (100%)	<u>0%</u>	66%	100%	
#1.03 (92%)	50%	92%	92%	
<u>#1.04</u> (100%)	54%	100%	100%	
#1.05 (N/A)	N/A	N/A	N/A	
#1.06 A (100%)	100%	100%	83%	

All of the limitations of this asserted claim element in '982 were 92% known by vissers (US8948205).

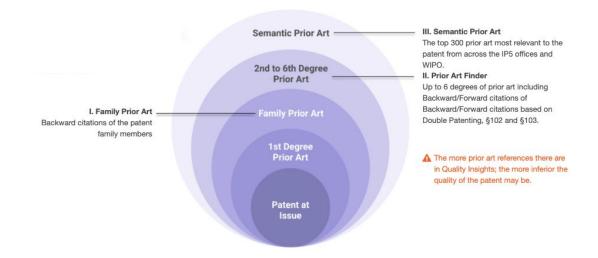
Answer the questions:

How was this patent challenged during Prosecution?





How does Quality Insights generate prior art?

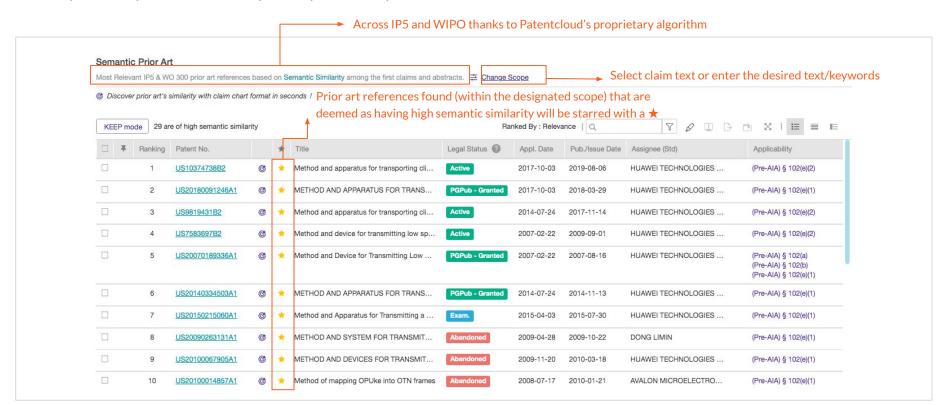


Semantic Prior Art



Semantic Prior Art of '982

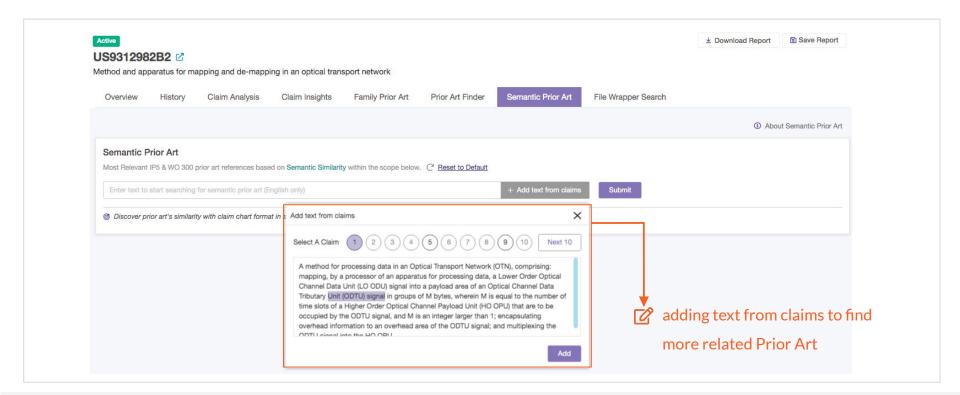
Review potential prior art ranked by concept similarity





Semantic Prior Art of '982

Review potential prior art ranked by concept similarity



Prior Art Finder



Prior Art Finder for '982

Review cited and citing patents of '982 from the first to the sixth degree

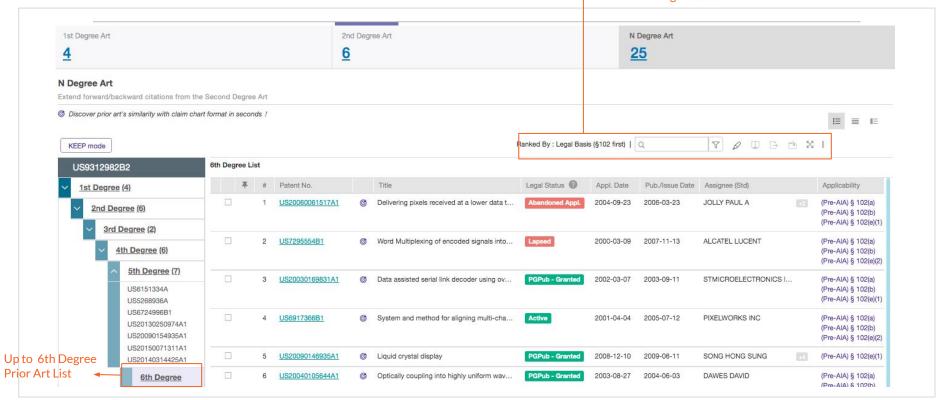
Filter by:

Applicability

• Legal Basis (§102 or §103)

Patent Office

Legal Status

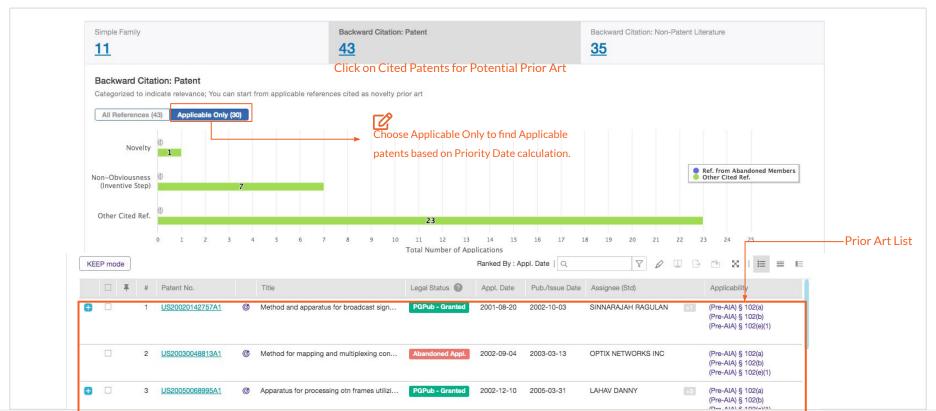


Family Prior Art



Family Prior Art of '982

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

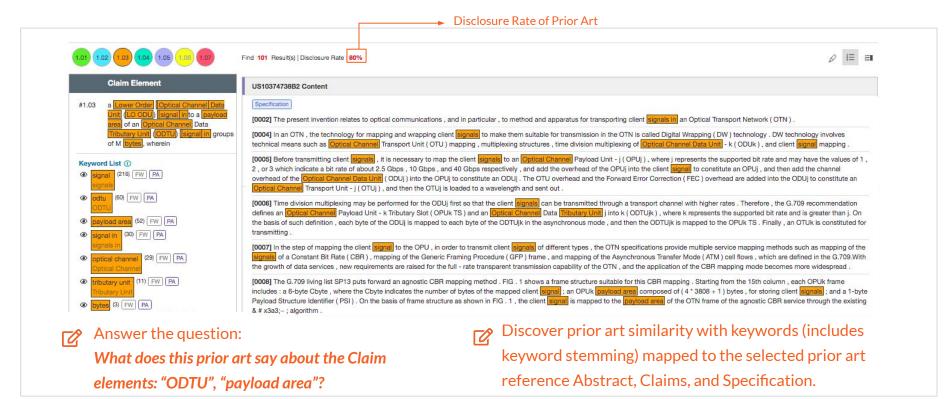


Comparison tools



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 - '982	3rd Degree Citation Prior Art - B
	A method for processing data in an Optical Transport Network (OTN), comprising:	Refer to Claim Analysis results	66%	
	mapping, by a processor of an apparatus for processing data,		75%	
1	a Lower Order Optical Channel Data Unit (LO ODU) signal into a payload area of an Optical Channel Data Tributary Unit (ODTU) signal in groups of M bytes, wherein		80%	
	M is equal to the number of time slots of a Higher Order Optical Channel Payload Unit (HO OPU) that are to be occupied by the ODTU signal,		62%	
	and M is an integer larger than 1;		N/A	
	encapsulating overhead information to an overhead area of the ODTU signal;		80%	
	and multiplexing the ODTU signal into the HO OPU.		60%	

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

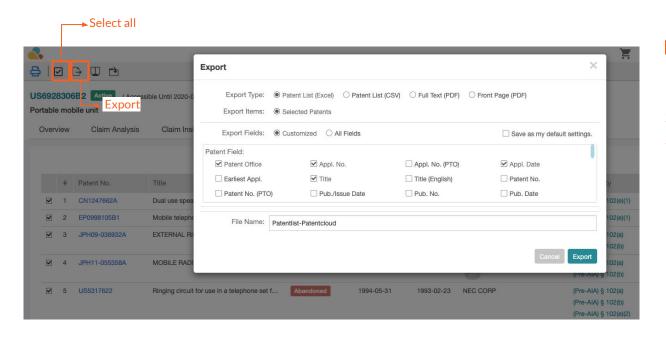
Results from claim to specification and file wrapper mapping

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

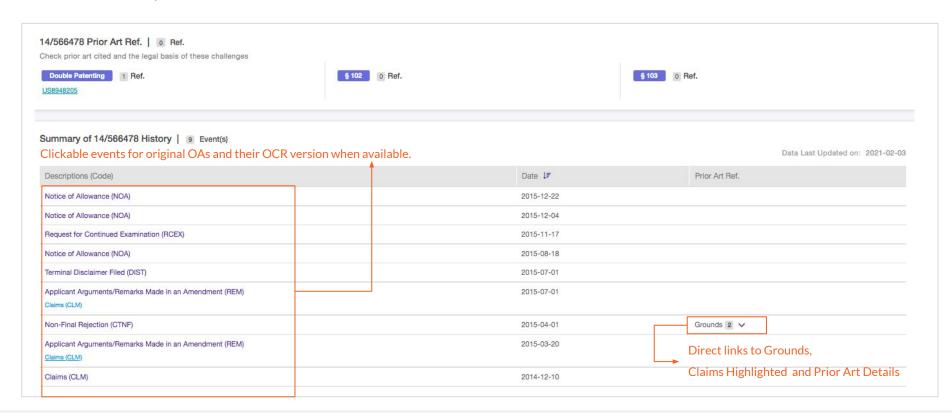


1 Prosecution & 1 Post-Grant





Prosecution History



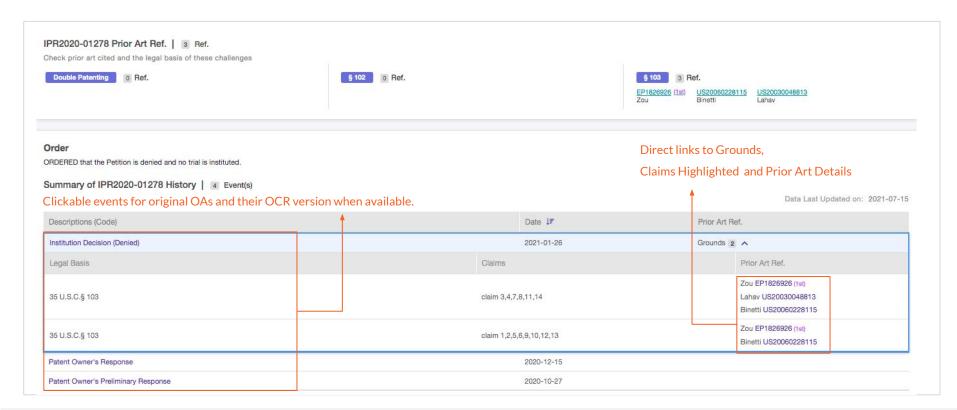


Post-Grant History





Post-Grant History

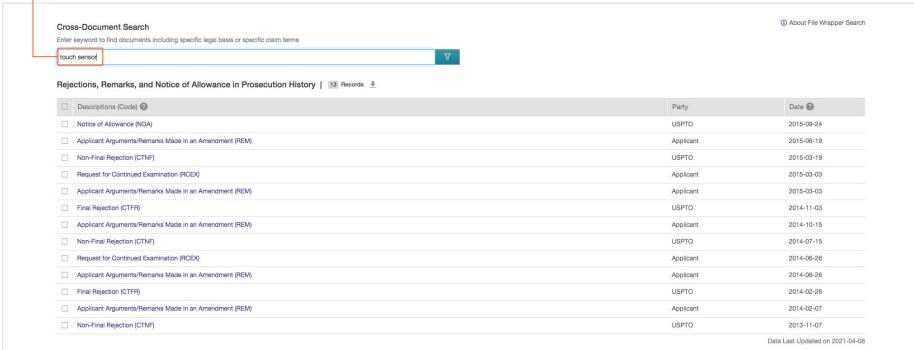


Prosecution and PTAB History Search



Patent File Wrapper Search

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

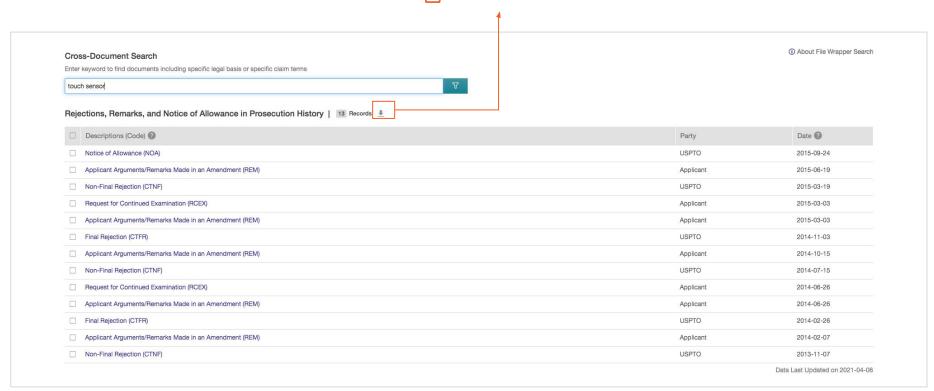


Prosecution and PTAB History PDF Downloads



PDF Downloads

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



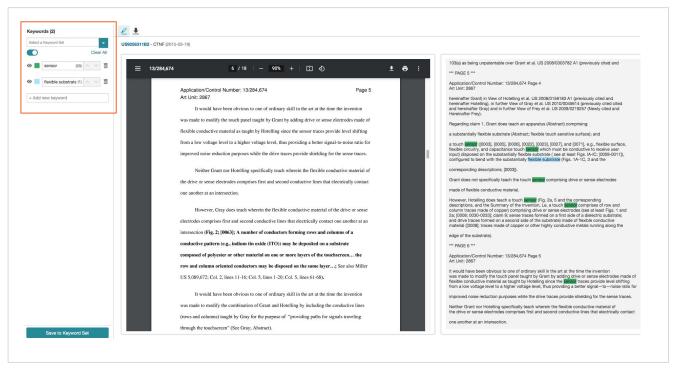
Prosecution and PTAB History Side-by-side PDF and OCR



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