



Patentcloud Quality Insights Annotation Report
Bell Northern Research, LLC v. Lenovo Group Ltd. et al
WDTX-6-21-cv-00847

Focus on: U.S. Pat. No. 7,039,435

Filing date: Aug. 13, 2021

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Organized Prosecution and PTAB History

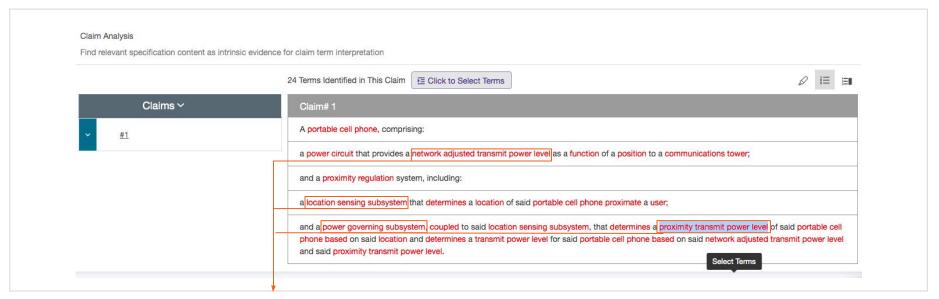
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Map claims to specification and file wrapper



Map claims to specification - '435

Which claim terms are or are not in the specification?



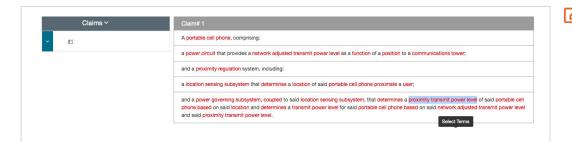
Claim Analysis finds these terms in the spec:

"network adjusted transmit power level", "location sensing subsystem", "power governing subsystem", "proximity transmit power level", as well as other terms that are highlighted in red.

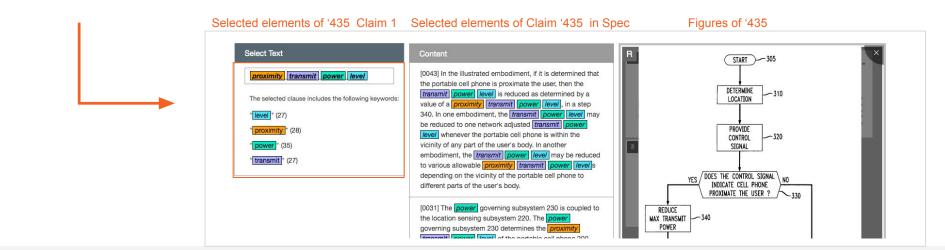


Map claims to specification - '435

Which claim terms are or are not in the specification?



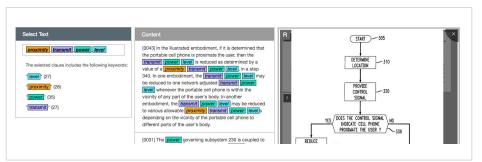
Review the selected claim element and see how it is defined in the patent specification and related figures.





Map claims to specification and Complaint - '435

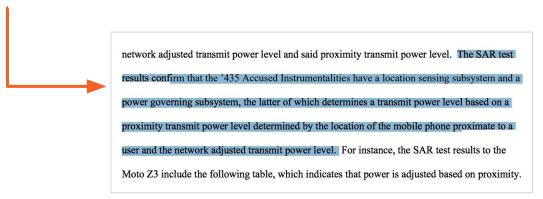
Does the allegedly infringing product element fall within or outside the patent's scope?

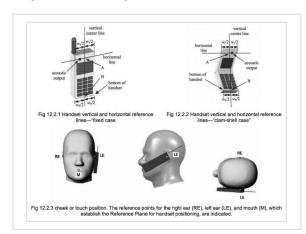


With the claim scope interpretation from *Claim Analysis*, verify your findings against the complaint.

Answer the question:

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



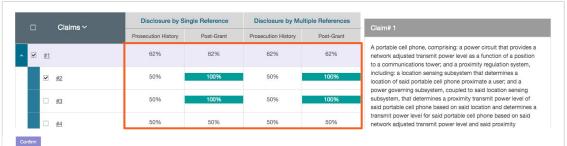




Map claims to the file wrapper - '435

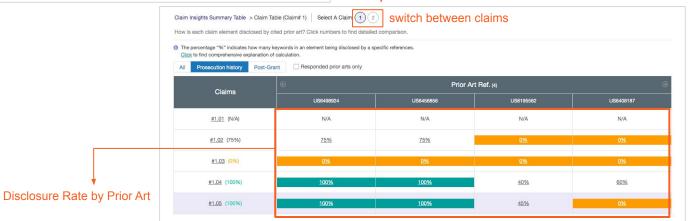
Which claim terms are in the file wrapper(i.e. examiner's opinion)?

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.

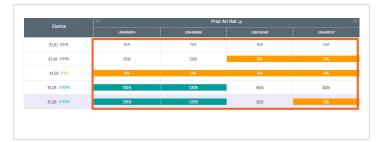
A higher percentage means more claim elements were disclosed by the prior art.





Map claims terms to the file wrapper - '435

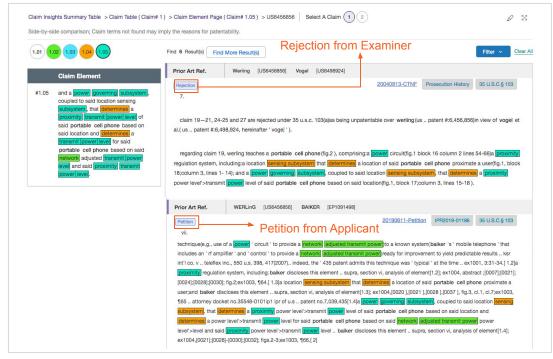
Why was this patent granted? Which claims were amended and how did the scope change?



All of the limitations of this asserted claim element in '435 were 100% known by Weriing (US6456856) and Vogel (US6498924).

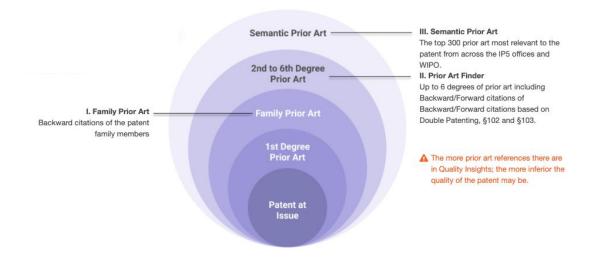
Answer the questions:

Why was this patent granted?





How does Quality Insights generate prior art?

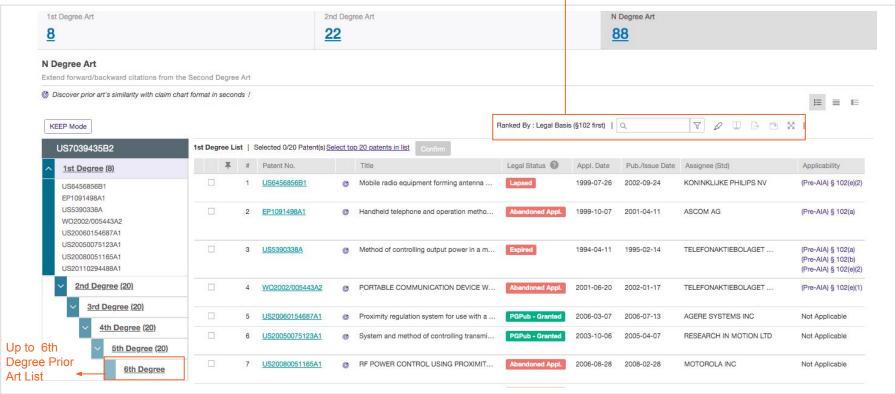


Prior Art Finder



Prior Art Finder for '435 Review cited and citing patents of '435 from the first to the sixth degree

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

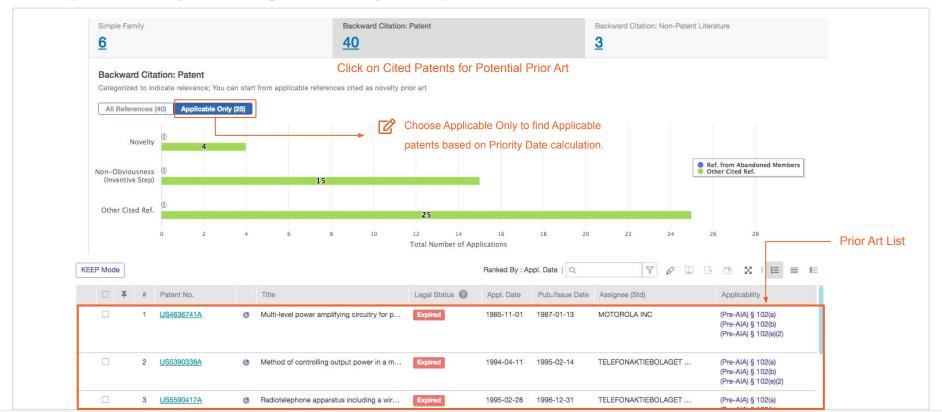


Family Prior Art



Family Prior Art of '435

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

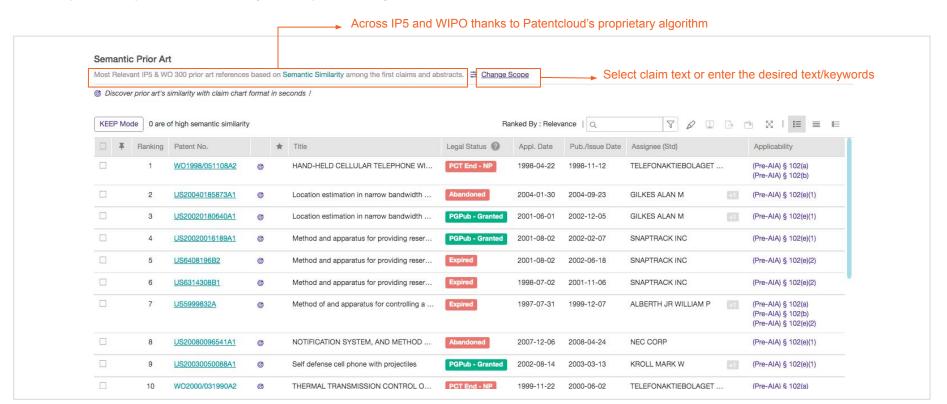


Semantic Prior Art



Semantic Prior Art of '435

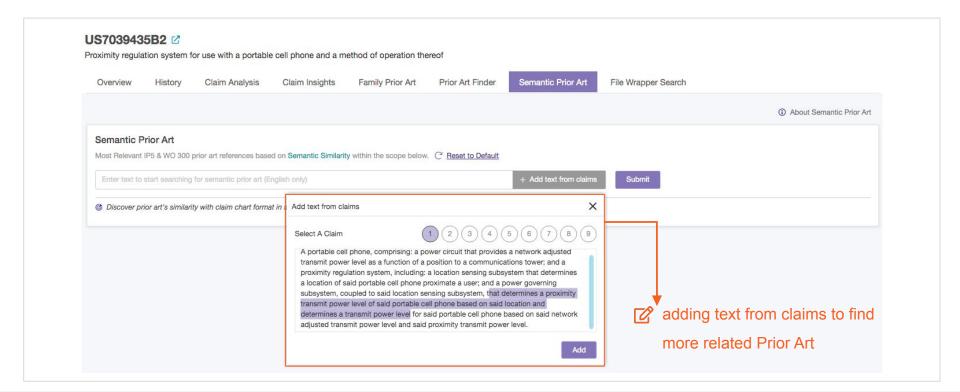
Review potential prior art ranked by concept similarity





Semantic Prior Art of '435

Review potential prior art ranked by concept similarity

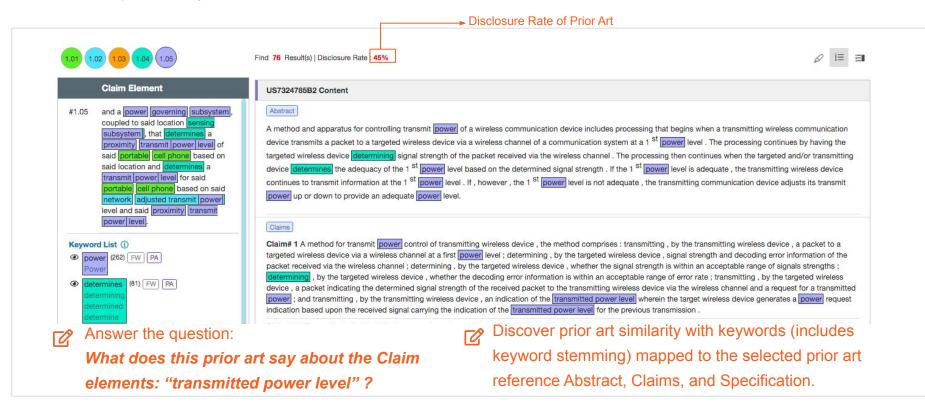


Comparison tools



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 - '785 | 3rd Degree Citation Prior Art - B |
|---|--|---------------------------------|------------------------------|--------------------------------------|
| 1 | A portable cell phone, comprising: | Refer to Claim Analysis results | 0% | |
| | a power circuit that provides a network adjusted transmit power level as a function of a position to a communications tower; | | 50% | |
| | and a proximity regulation system, including: | | N/A | |
| | a location sensing subsystem that determines a location of said portable cell phone proximate a user; | | 20% | |
| | and a power governing subsystem, coupled to said location sensing subsystem, that determines a proximity transmit power level of said portable cell phone based on said location and determines a transmit power level for said portable cell phone based on said network adjusted transmit power level and said proximity transmit power level. | | 45% | |

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

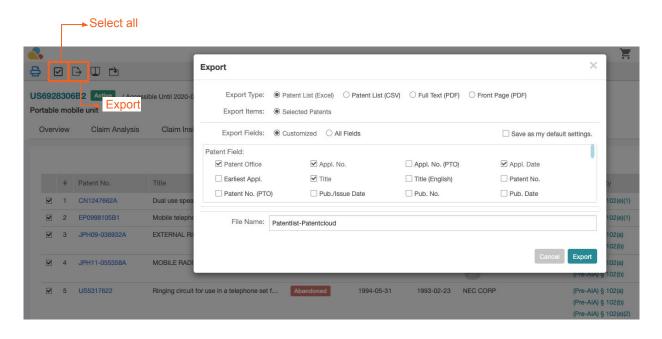
Results from claim to specification and file wrapper mapping

Results from prior art comparison by claim element

Prior Art downloads



Prior Art downloads



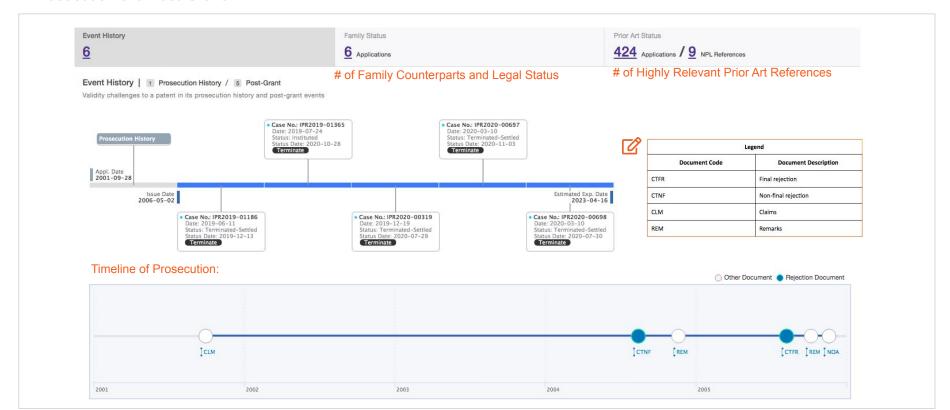


Download patent data in Excel or PDF format for Family Prior Art, Second Degree Prior Art, and/or Semantic Prior Art.

Prosecution and PTAB History Key Events

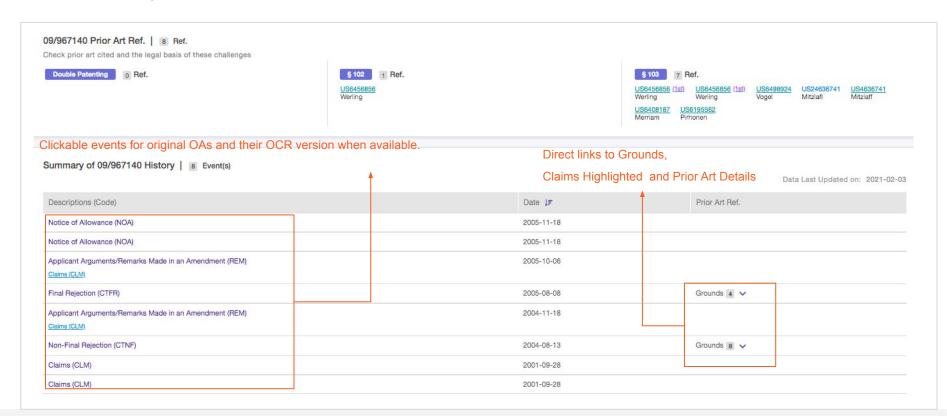


1 Prosecution & 5 Post-Grant



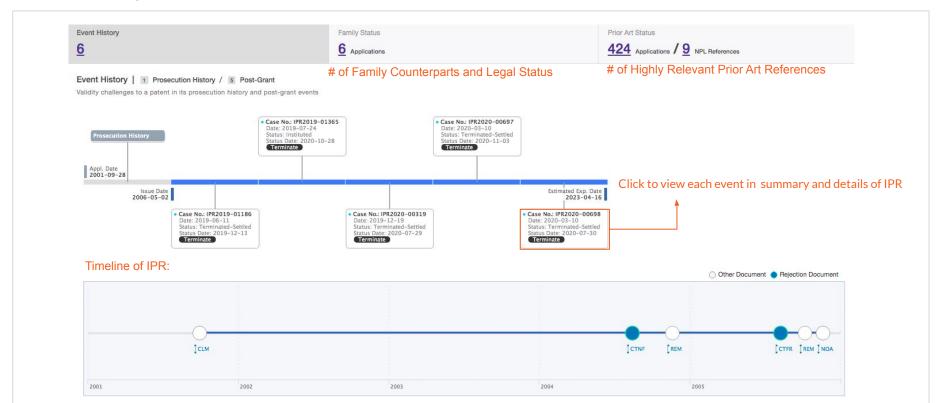


Prosecution History



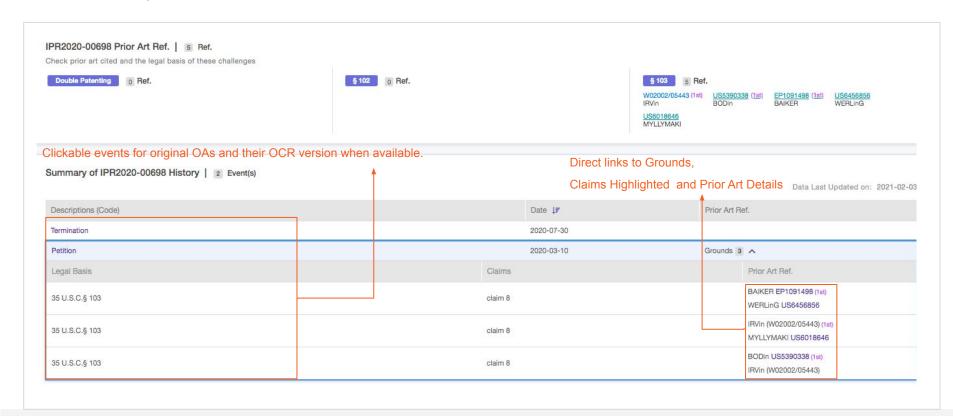


Post-Grant History





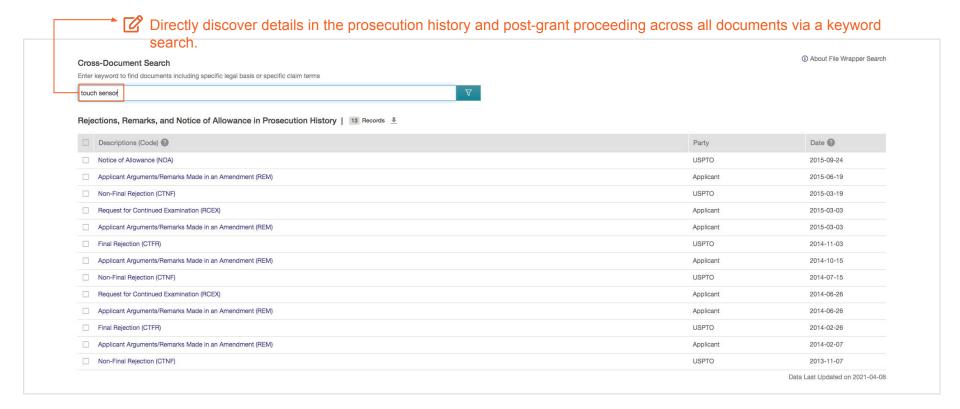
Post-Grant History



Prosecution and PTAB History Search



Patent File Wrapper Search

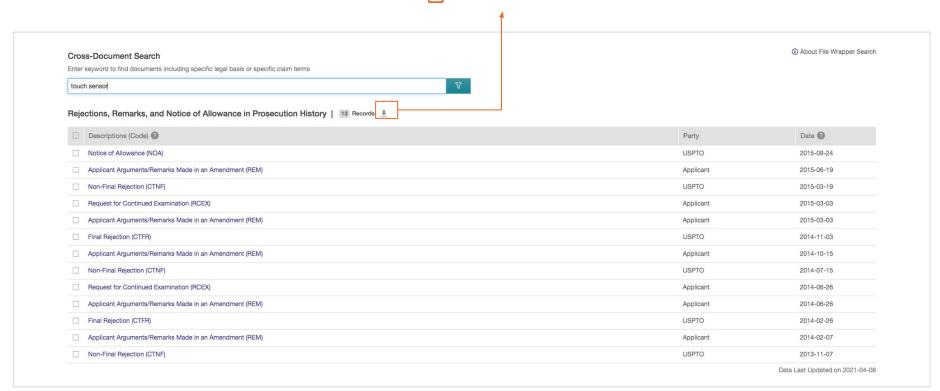


Prosecution and PTAB History PDF Downloads



PDF Downloads

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



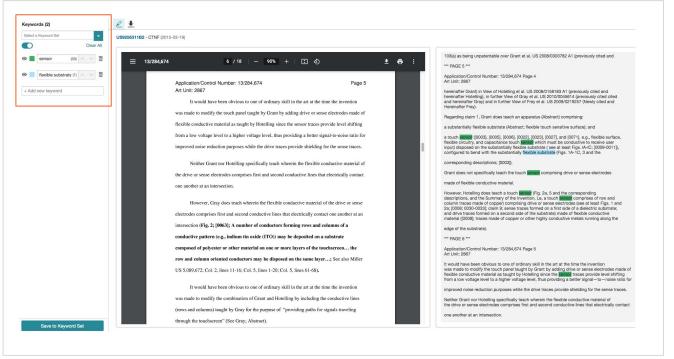
Prosecution and PTAB History Side-by-side PDF and OCR



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