



Patentcloud Quality Insights Annotation Report

Staton Techiya, LLC et al v. Samsung Electronics Co., Ltd.

et al

EDTX-2-21-cv-00413

Focus on: U.S. Pat. No. 10,966,015

Filing date: Nov. 05, 2021

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### **Organized Prosecution and PTAB History**

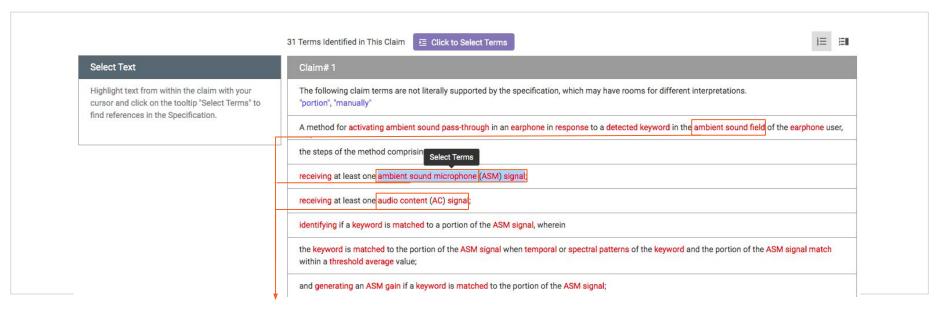
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# Map claims to specification and file wrapper



### Map claims to specification - '015

Which claim terms are or are not in the specification?



Claim Analysis finds these terms in the spec:

"ambient sound field", "ambient sound microphone", "(ASM) signal", "audio content (AC) signal", as well as other terms that are highlighted in red.

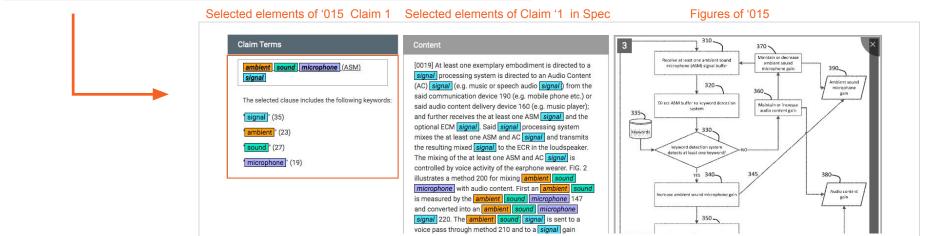


### Map claims to specification - '015

Which claim terms are or are not in the specification?



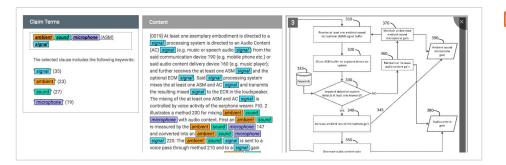
Review the selected claim element and see how it is defined in the patent specification and related figures.





### Map claims to specification and Complaint - '015

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?





173. The Bixby-enabled Samsung Galaxy Buds, Buds+, and Buds Pro include Ambient Sound Mode in which the gain of the signal from an Ambient sound Microphone is increased to enable the user of the Buds to better hear ambient sound when also listening to music or other sound.



### Map claims to the file wrapper - '015

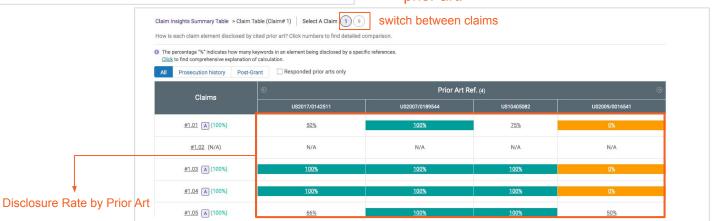
Which claim terms are in the file wrapper(i.e. examiner's opinion)?

#### 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.





### Map claims terms to the file wrapper - '015

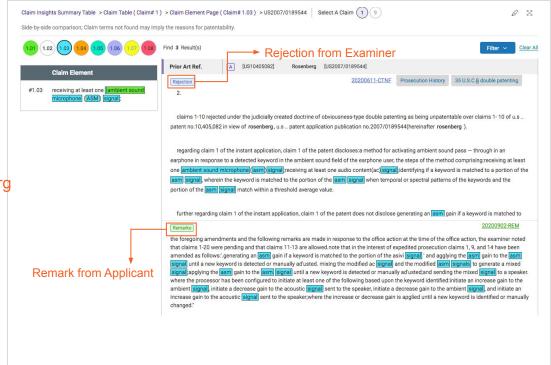
Why was this patent granted? Which claims were amended and how did the scope change?

Claims	⊙ Prior Art Ref. (3)			
Cialitis	US8681466	US9320018	US8428026	
#1.01 (N/A)	N/A	N/A	N/A	
#1.02 (100%)	100%	100%	100%	
#1.03 (N/A)	N/A	N/A	N/A	
#1.04 (75%)	50%	75%	75%	
#1.05 (77%)	56%	77%	77%	

All of the limitations of this asserted claim element in '015 were 100% known by Rosenberg (US2007/0189544) and US10405082.

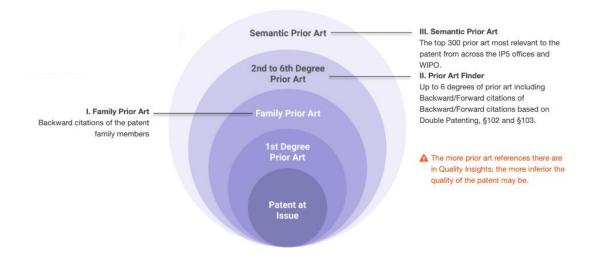
Answer the question:

Why was this patent granted?





## How does Quality Insights generate prior art?



## **Prior Art Finder**



### Prior Art Finder for '015

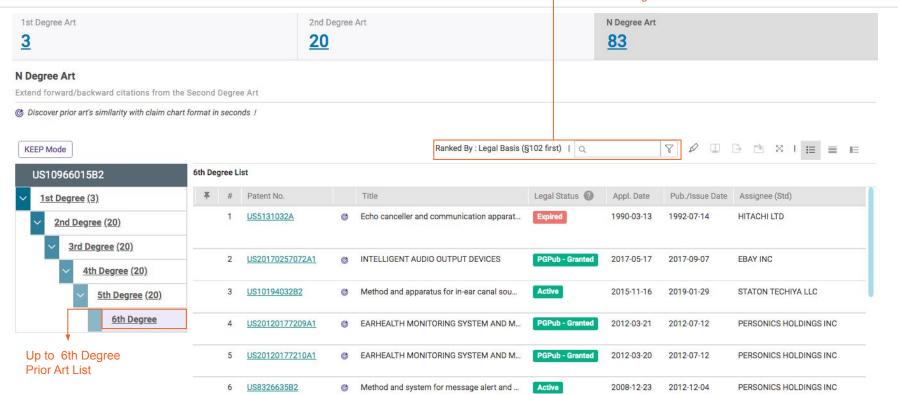
Review cited and citing patents of '015 from the first to the sixth degree

 Applicability Legal Basis (§102 or §103)

Patent Office

Filter by:

Legal Status

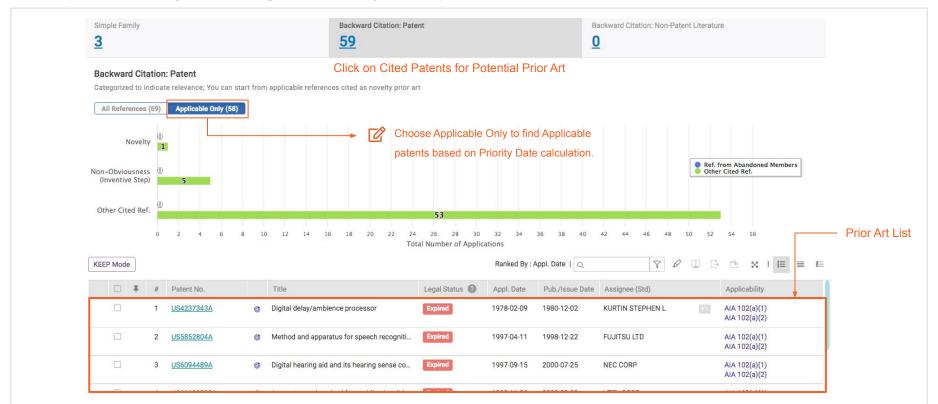


## **Family Prior Art**



### Family Prior Art of '015

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

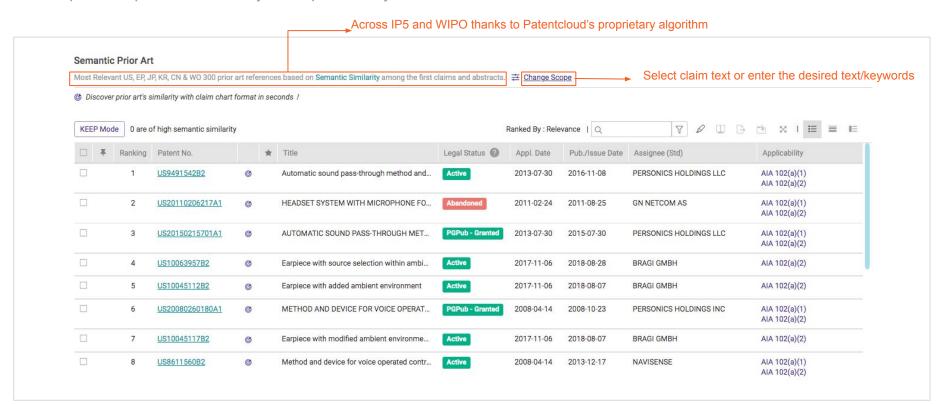


### **Semantic Prior Art**



### Semantic Prior Art of 015

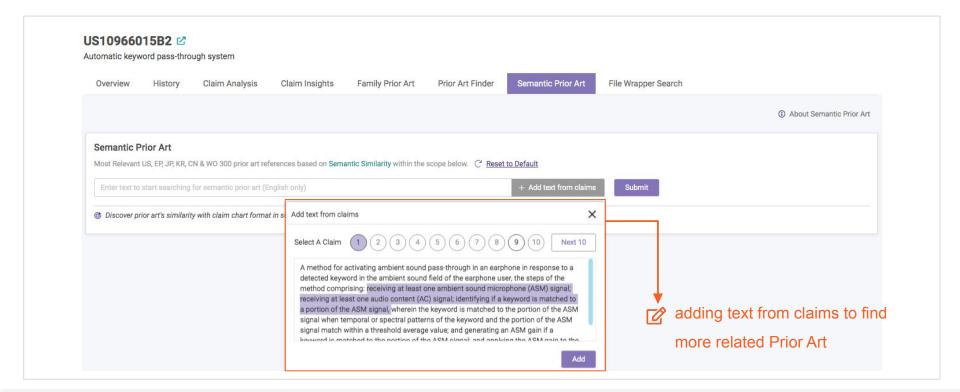
Review potential prior art ranked by concept similarity





### Semantic Prior Art of '015

Review potential prior art ranked by concept similarity

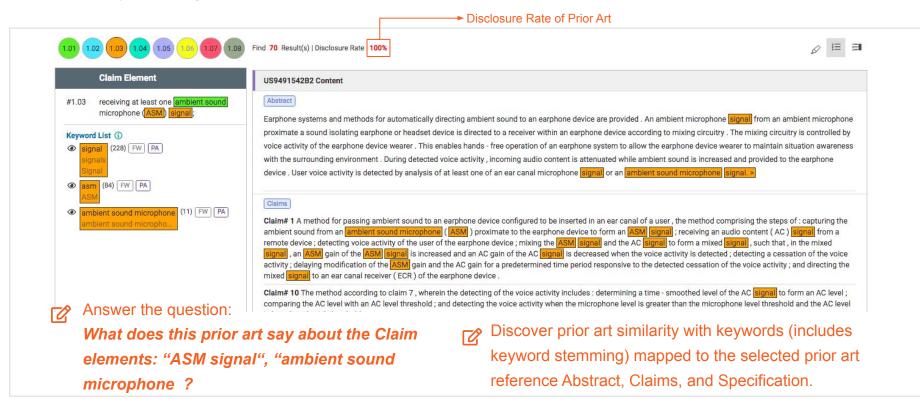


## **Comparison tools**



### **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 - '542	3rd Degree Citation Prior Art - B
1	A method for activating ambient sound pass-through in an earphone in response to a detected keyword in the ambient sound field of the earphone user,	Refer to Claim Analysis results	75%	
	the steps of the method comprising:		N/A	
	receiving at least one ambient sound microphone (ASM) signal;		100%	
	receiving at least one audio content (AC) signal;		100%	
	identifying if a keyword is matched to a portion of the ASM signal, wherein		60%	
	the keyword is matched to the portion of the ASM signal when temporal or spectral patterns of the keyword and the portion of the ASM signal match within a threshold average value;		37%	
	and generating an ASM gain if a keyword is matched to the portion of the ASM signal;		80%	
	and applying the ASM gain to the ASM signal until a new keyword is detected or manually adjusted.		75%	

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

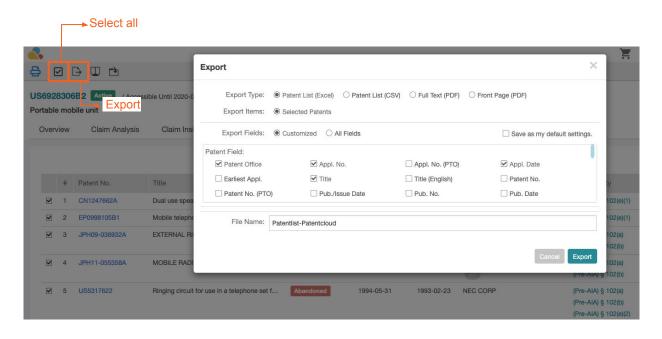
Results from claim to specification and file wrapper mapping

Results from prior art comparison by claim element

## **Prior Art downloads**



### **Prior Art downloads**





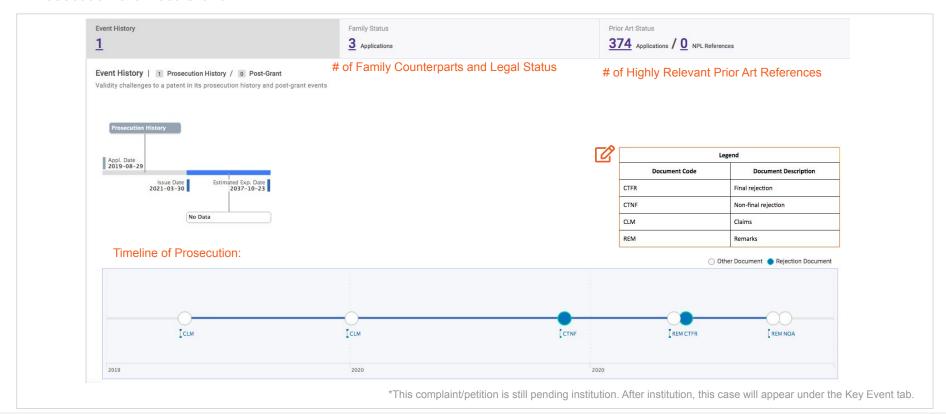
Download patent data in Excel or PDF format for Family Prior Art, Second Degree Prior Art, and/or Semantic Prior Art.

# Prosecution and PTAB History Key Events



### **Key Events - '015**

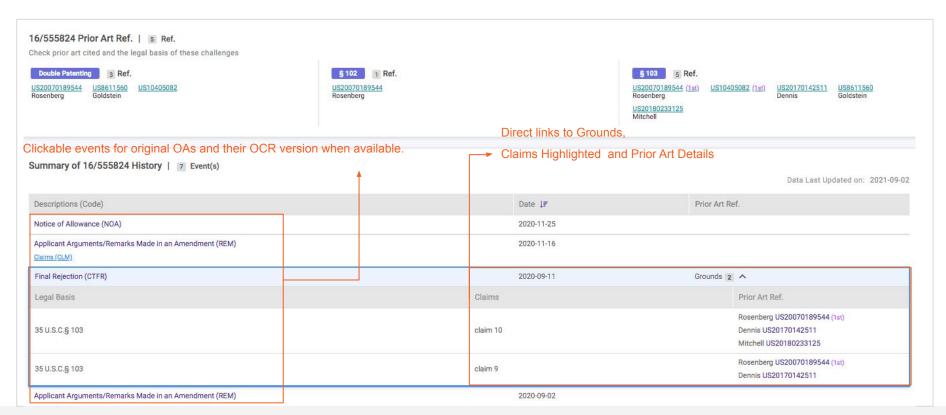
1 Prosecution & 0 Post-Grant\*





### **Key Events - '015**

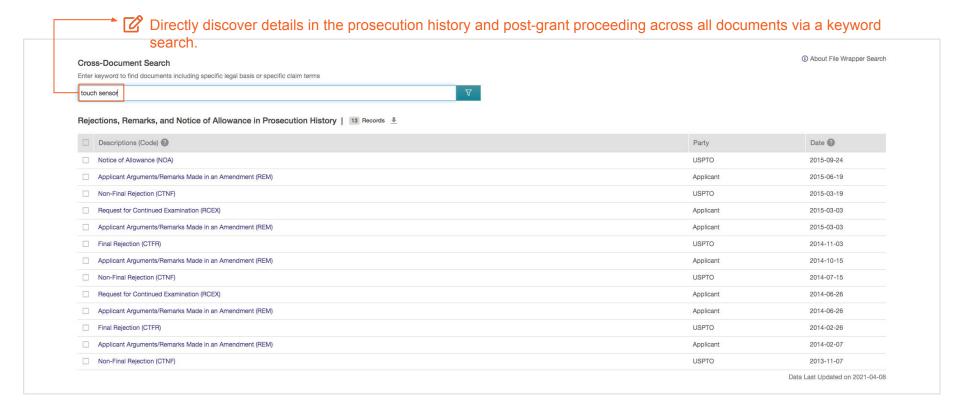
**Prosecution History** 



## **Prosecution and PTAB History Search**



### **Patent File Wrapper Search**

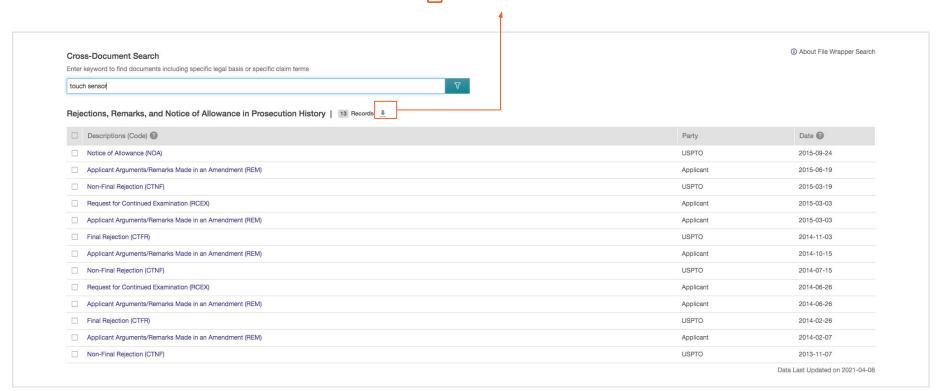


## Prosecution and PTAB History PDF Downloads



### **PDF Downloads**

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



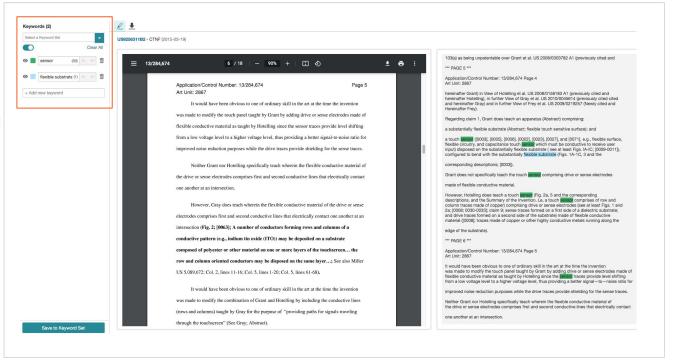
# Prosecution and PTAB History Side-by-side PDF and OCR



### 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