# United States Patent and Trademark Office Before the Patent Trial and Appeal Board

# Bose Corporation (Petitioner) V. Koss Corporation

(Patent Owner)

Inter Partes Review

### No. IPR2021-00297 | U.S. Patent No. 10,368,155

Petitioner's Demonstrative Exhibits

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### Challenged U.S. Patent No. 10,368,155

	(54) 535	TEM WITH WIRELESS EARPHONES	(58) Field of Classification Search	
		icant: Koss Corporation, Milwaukee, WI (US)	CPC	
	(72) Inve	Michael J, Koss, Milhunkee, Wi (US); Michael J, Pelland, Princeton, Wi (US); Michael Sagan, Fairfield, CA (US); Stwen R, Reckamp, Crystal Lake, II. (US); Gregory J. Hallingstad, Deforest, Wi (US); Jeffery K, Bover, Sterling, II. (US); Morgan J. Lowery, Deforest, Wi (US)	(56) References Cited U.S. PATINET DOCUMENTS 5419,735 A.* 4 1995 Isoshuk	
L	(73) Assi	gace: Koss Corporation, Milwaukee, WI (US)	JP 2004-320597 11/2004 WO WO 2006-047724 A2 5/2006	
	(*) Notá	ce: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.	(Continued) OTHER PUBLICATIONS	
		U.S.C. 154(6) by 0 days. This potent is subject to a terminal dis- claimer.	Supplementary European Search Report for European Application No. 09731146.3 dated Jun. 10, 2013, '7 pages.	
	(21) Appl	No.: 16/182,927	(Continued)	
	(22) Filed	Nov. 7, 2018	Primary Examiner Kiet M Doan	
	(65)	Prior Publication Data 2019/0075390 A1 Mar. 7, 2019	(57) ABSTRACT	
	(51) Int. 1104	R 3400 (2006.01) R 1/70 (2006.01) (Continued) CL	course ricerds, and window communication circuits. In first operational mode, prescessor circuits receives, via adopter, and processos digital andice content from personal digital andice piloyer site which adopter is progand, and the multiple accountic transducers output the received andic contant from the personal digital andice piloyer. In second operational distances are also a second and the second second and content from a remote digital andice source even a wiredem entwork, processor circuits processors the digital andice con-	
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# (12) United States Patent Koss et al.

# (54) SYSTEM WITH WIRELESS EARPHONES

- (71) Applicant: Koss Corporation, Milwaukee, WI (US)
- (72) Inventors: Michael J. Koss, Milwaukee, WI (US); Michael J. Pelland, Princeton, WI (US); Michael Sagan, Fairfield, CA (US); Steven R. Reckamp, Crystal Lake, IL (US); Gregory J. Hallingstad, Deforest, WI (US); Jeffery K. Bovee, Sterling, IL (US); Morgan J. Lowery, Deforest, WI (US)
- (73) Assignee: Koss Corporation, Milwaukee, WI (US)
- (\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
  This patent is subject to a terminal disclaimer.
- (21) Appl. No.: 16/182,927

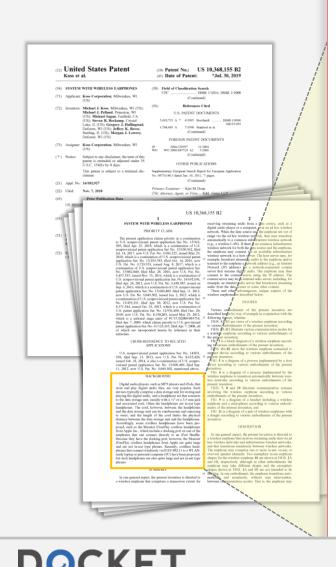
(22) Filed: Nov. 7, 2018

#### (10) Patent No.: US 10,3 (45) Date of Patent: \*J

(58)	Field of Classification Search CPC H04R 1/1010 (Continued)
(56)	<b>References</b> Cited
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JP WO	2004-320597 11/2004 WO 2006/047724 A2 5/2006 (Continued)
	OTHER PUBLICATIONS
	lementary European Search Report for Euro 09731146.3 dated Jun. 10, 2011, '7 pages. (Continued)
	nary Examiner — Kiet M Doan Attorney, Agent, or Firm — K&L Gate

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### Wireless Headphones Predated the '155 Patent



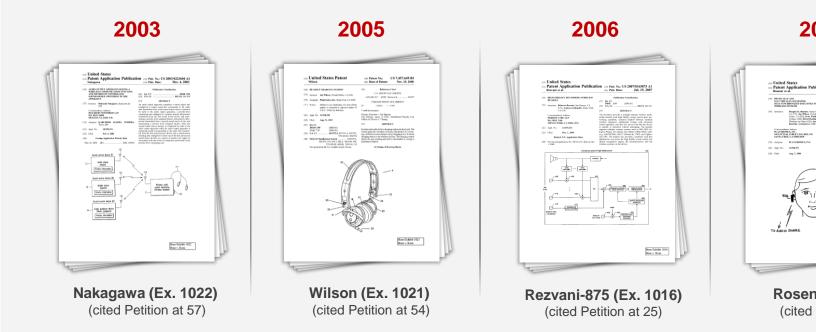
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#### BACKGROUND

Digital audio players, such as MP3 players and iPod store and play digital audio files, are very popular devices typically comprise a data storage unit for stori playing the digital audio, and a headphone set that co to the data storage unit, usually with a  $\frac{1}{4}$ " or a 3.5 m and associated cord. Often the headphones are in-ea headphones. The cord, however, between the headp and the data storage unit can be cumbersome and ann to users, and the length of the cord limits the ph distance between the data storage unit and the headp Accordingly, some cordless headphones have been posed, such as the Monster iFreePlay cordless head from Apple Inc., which include a docking port on one earphones that can connect directly to an iPod S Because they have the docking port, however, the M iFreePlay cordless headphones from Apple are quite and are not in-ear type phones. Recently, cordless phones that connect wirelessly via IEEE 802.11 to a W ready laptop or personal computer (PC) have been pro but such headphones are also quite large and not in-ea phones.

### Wireless Headphones Predated the '155 Patent





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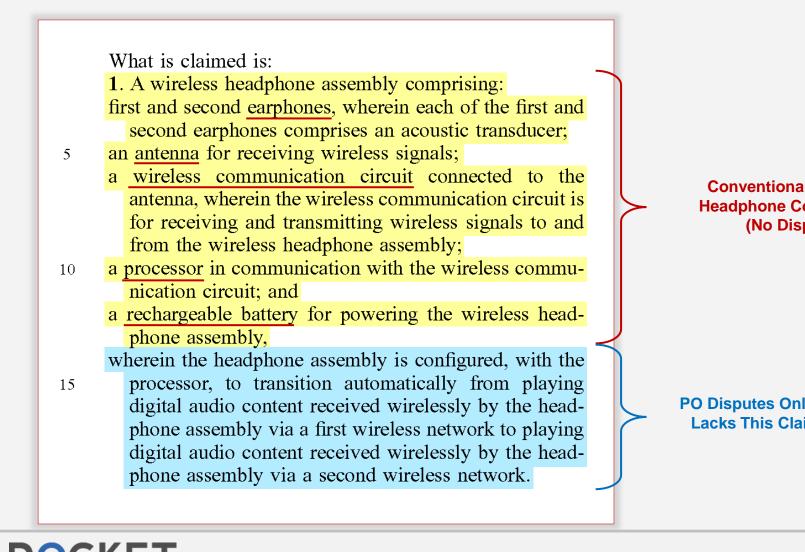
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# Challenged Independent Claim 1: Transition Automatically Between Networks



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