

US008190203B2

(12) United States Patent

Pelland et al.

(54) WIRELESS EARPHONE THAT TRANSITIONS **BETWEEN WIRELESS NETWORKS**

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- Subject to any disclaimer, the term of this (*) Notice: patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
- (21) Appl. No.: 12/936,488
- (22) PCT Filed: Apr. 7, 2009
- PCT/US2009/039754 § 371 (c)(1), (2), (4) Date: Dec. 20, 2010
- (87) PCT Pub. No.: WO2009/126614 PCT Pub. Date: Oct. 15, 2009

(65)**Prior Publication Data**

US 2011/0103609 A1 May 5, 2011

Related U.S. Application Data

- (60) Provisional application No. 61/123,265, filed on Apr. 7,2008.
- (51) Int. Cl. H04M 1/00 (2006.01)H04R 1/10 (2006.01)
- (52) U.S. Cl. 455/556.1; 381/74

US 8,190,203 B2 (10) **Patent No.:**

May 29, 2012 (45) Date of Patent:

(58) Field of Classification Search 455/445, 455/414.4, 73, 456.1, 420, 20, 11.1, 421; 370/401, 352, 335; 381/74 See application file for complete search history.

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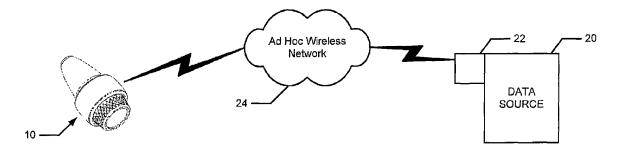
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(57)ABSTRACT

A wireless earphone that comprises a transceiver circuit for receiving streaming audio from a data source over a local ad hoc wireless network. When the data source and the earphone are out of range, they transition automatically to an infrastructure wireless network. If there is no common infrastructure wireless network for both the data source and the speakerphone set, the earphone connects to a host server via an available wireless network.

33 Claims, 16 Drawing Sheets



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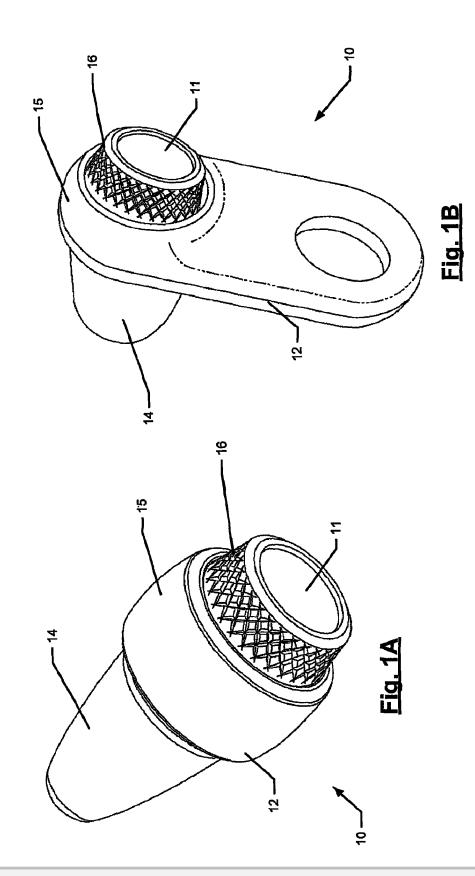
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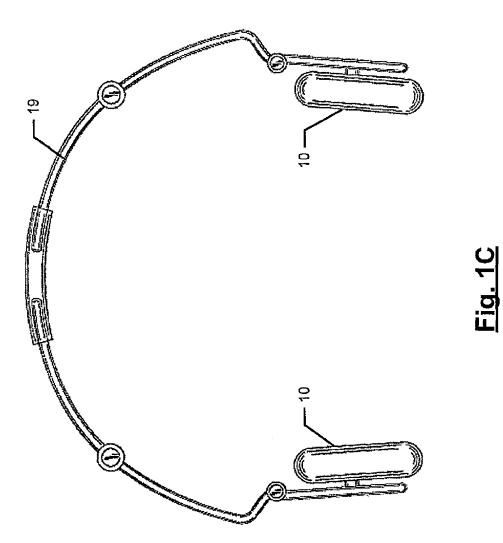
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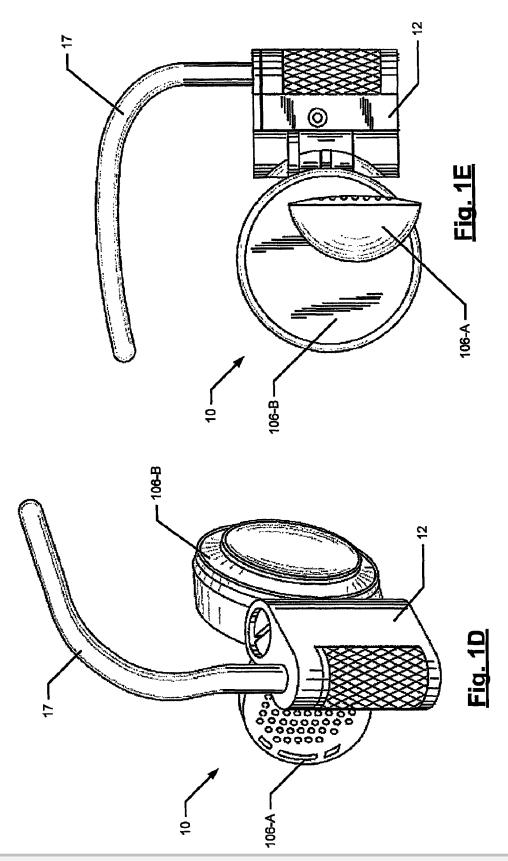
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