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Pelland et al.   (45) **Date of Patent:**   *Feb. 18, 2014

(54) **WIRELESS EARPHONE SET**

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(*) 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.

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Related U.S. Application Data

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H04M 1/00   (2006.01)
(52) **U.S. Cl.**
USPC **455/575.2**; 381/58
(58) **Field of Classification Search**
USPC 455/575.2, 412.2, 553.1, 425, 436, 455/90.2, 418; 370/328, 389, 352; 381/58, 381/74
See application file for complete search history.

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(57)   **ABSTRACT**

An earphone set that comprises a paired set of earphones to be worn simultaneously by a user is disclosed. Each earphone in the paired set comprises at least one acoustic transducer for producing sound to be heard by the user. At least one of the earphones in the pair set comprises a transceiver circuit and at least one button. The transceiver circuit is for wirelessly receiving and transmitting signals via a wireless network. The at least one button is accessible to the user at an exterior of the at least one earphone. Upon activation of the at least one button by the user, an indication for a song played by the pair of earphones is caused to be transmitted wirelessly, by the transceiver circuit via the wireless network, to a remote server connected to the Internet. The song played by the pair of earphones may be streamed from a digital audio content server connected to the Internet.

14 Claims, 16 Drawing Sheets
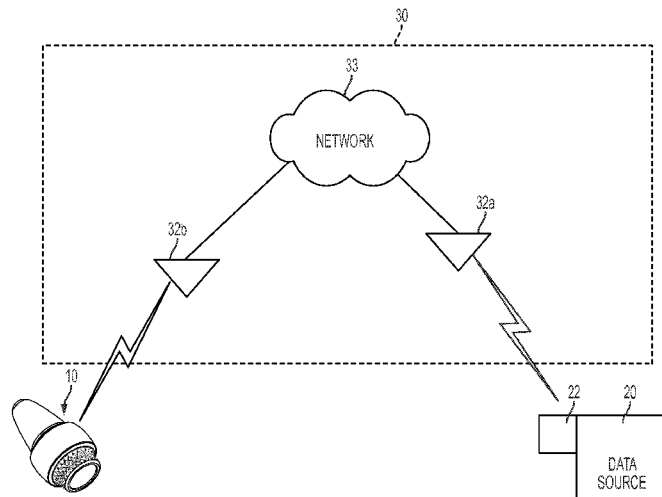
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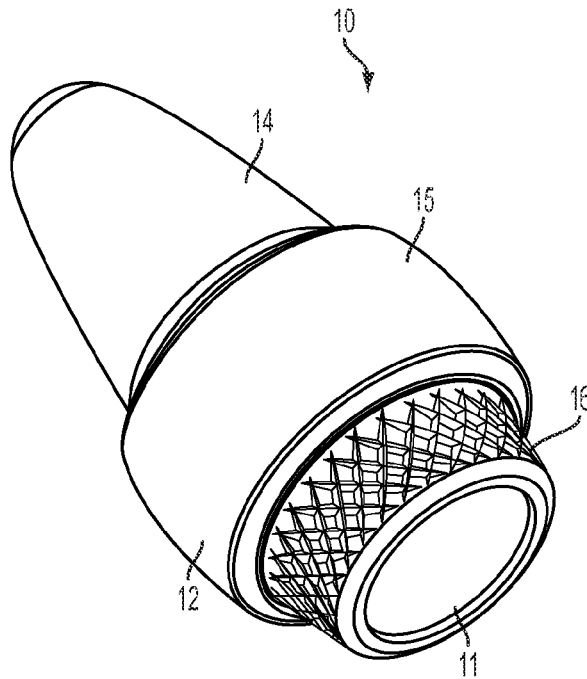IT Review, "LTB 802.11 WiFi Headphones", http://itreview.belproject.com/item/1536 accessed on Mar. 13, 2008 (4 pages).

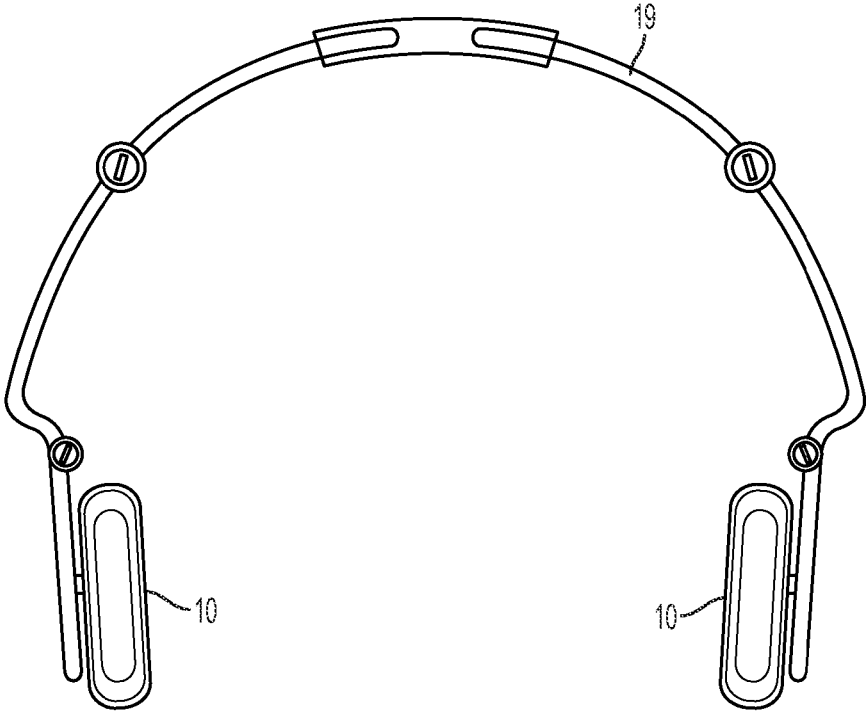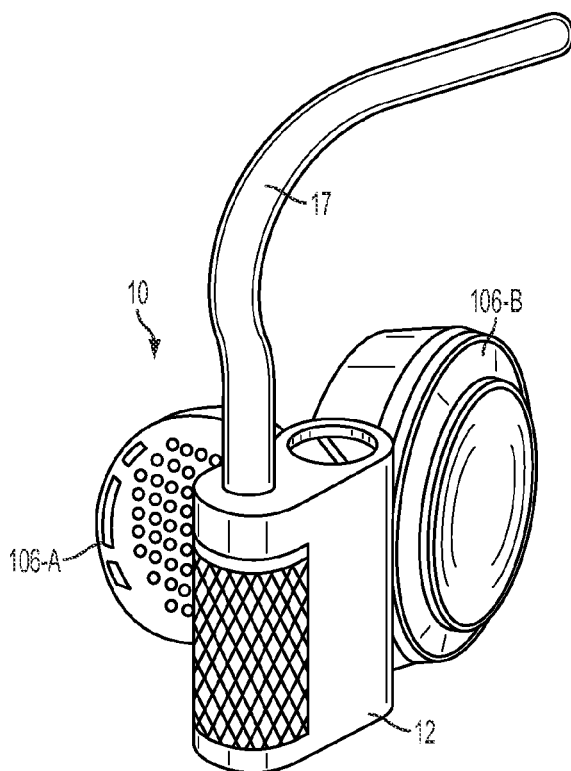* cited by examiner

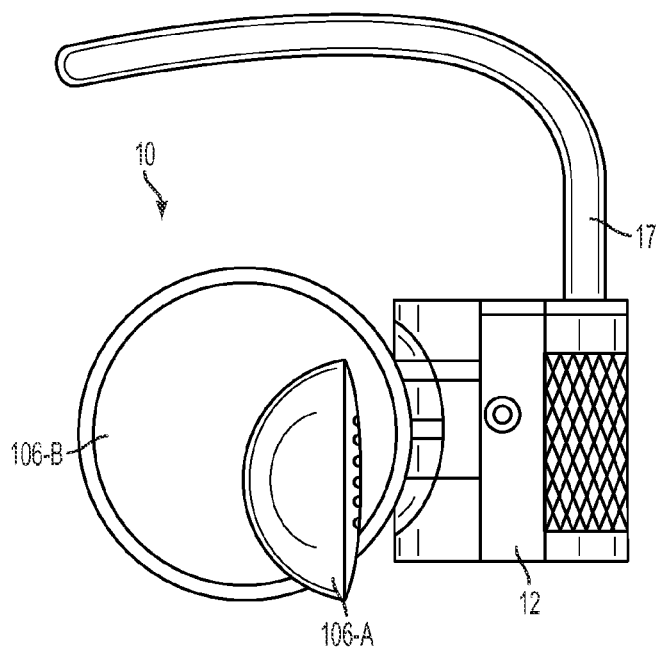FIG. 1A
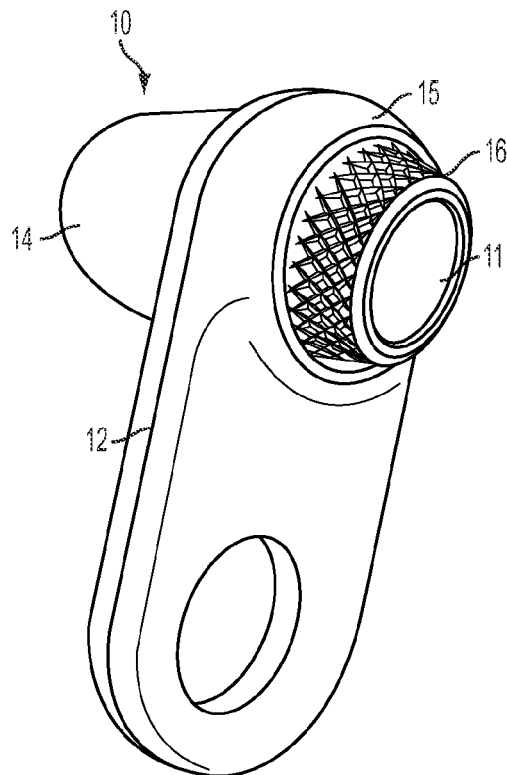
FIG. 1B

FIG. 1C

FIG. 1D

FIG. 1E

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