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(54) **WIRELESS HEADSET AND MICROPHONE ASSEMBLY FOR COMMUNICATIONS DEVICE**

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Related U.S. Application Data

(63) Continuation-in-part of application No. 11/264,169, filed on Nov. 2, 2005.

Continuation-in-part of application No. 10/828,480, filed on Apr. 21, 2004, now Pat. No. 7,149,552.

(60) Provisional application No. 60/503,949, filed on Sep. 19, 2003. Provisional application No. 60/527,776, filed on Dec. 9, 2003.

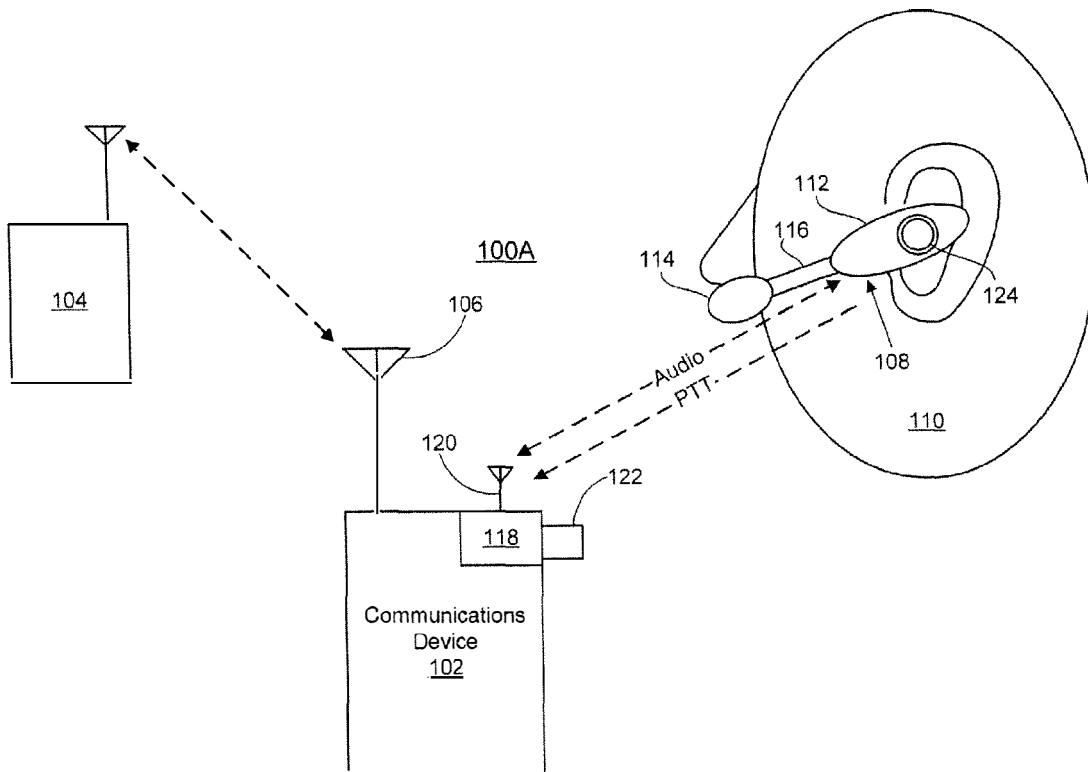
Publication Classification

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H04M 1/00 (2006.01)

(52) **U.S. Cl.** **455/569.1**

(57) **ABSTRACT**

Disclosed herein is a communications system implementing a microphone wirelessly connected to a half-duplex communications device, such as a two-way radio or a radio-simulating cellular phone. The microphone may incorporate a transmit/receive switch wherein a transmit signal is wirelessly transmitted from the microphone to the communications device to direct the communications device to enter into a transmit mode. The microphone may communicate with the half-duplex communications device through a magnetic induction link.



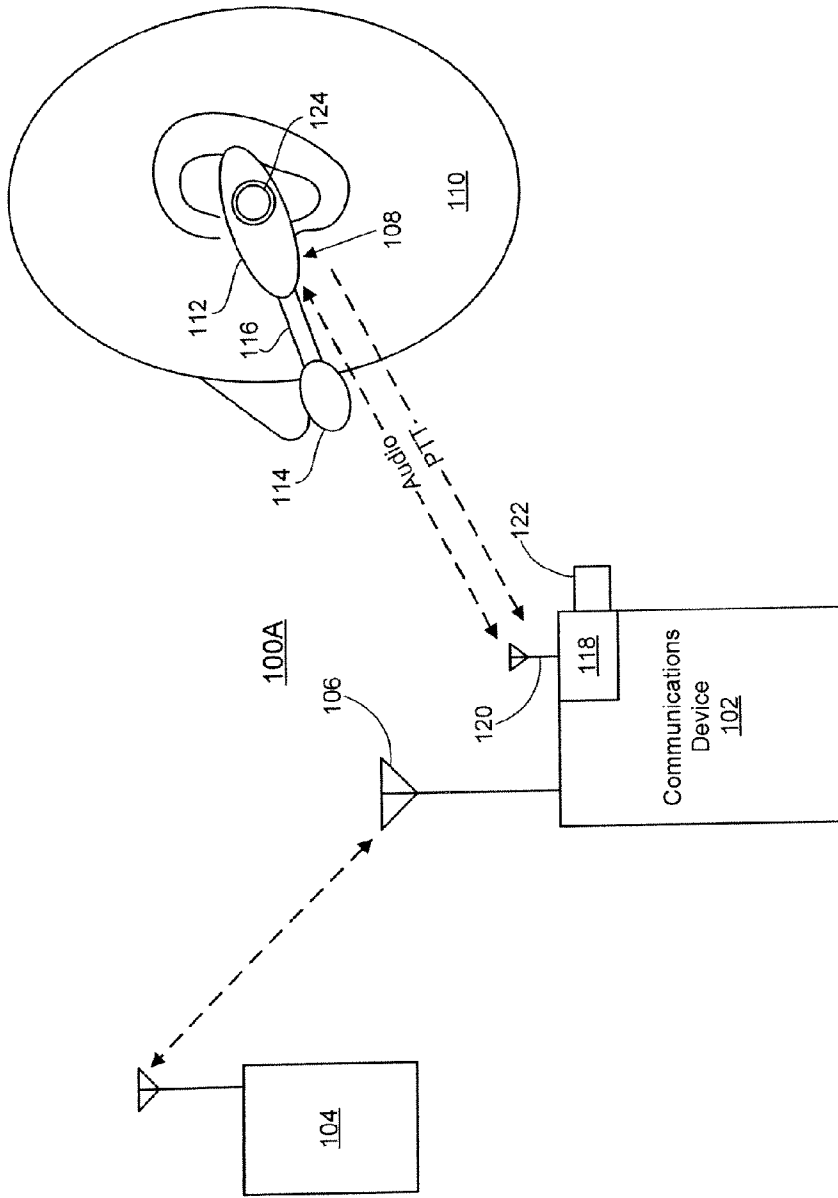


FIG. 1A

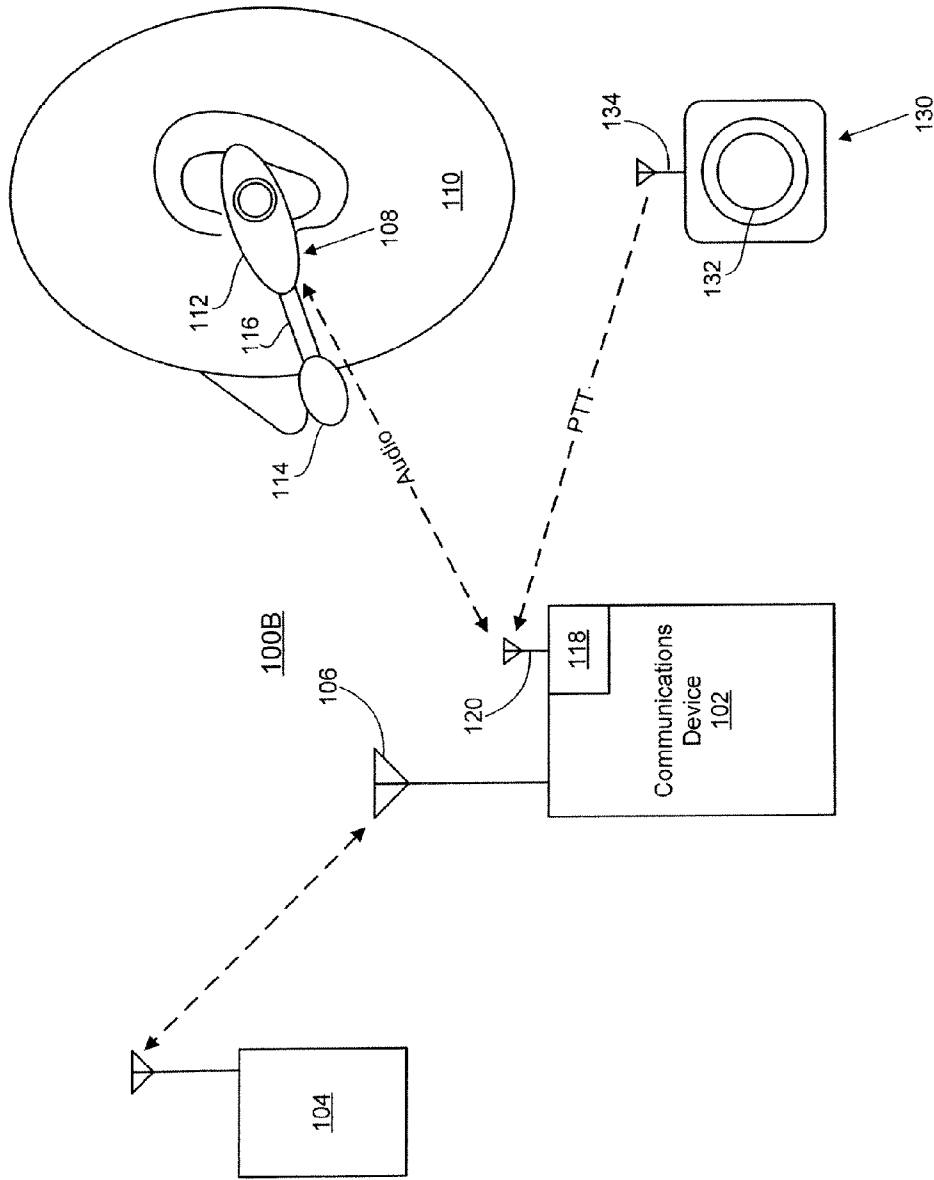


FIG. 1B

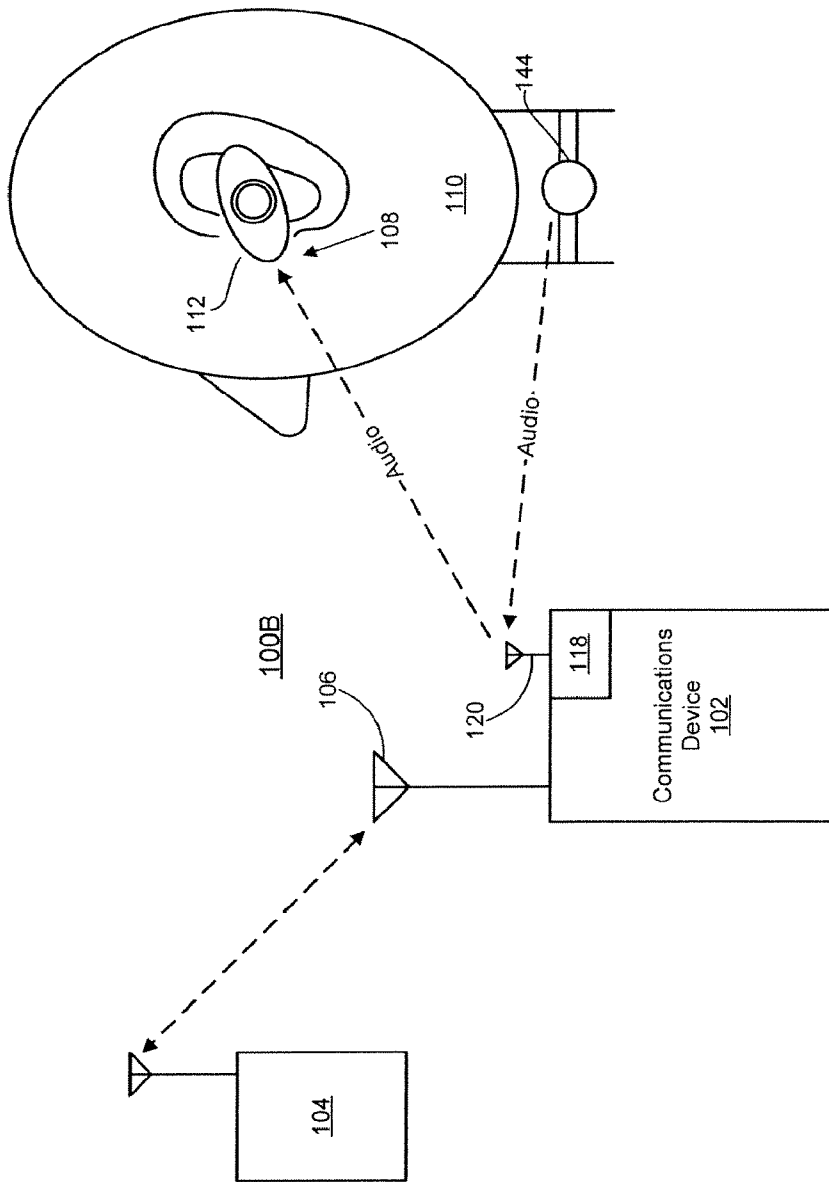


FIG. 1C

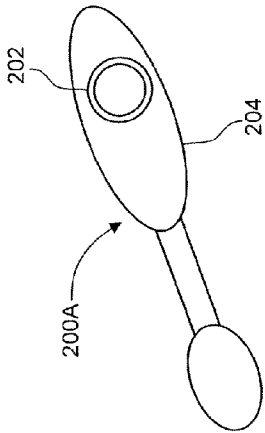


FIG. 2A

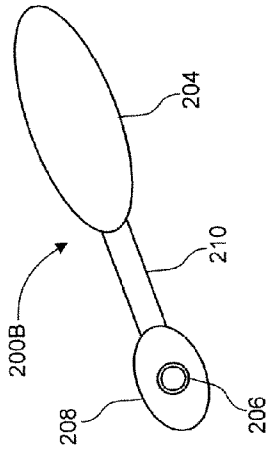


FIG. 2B

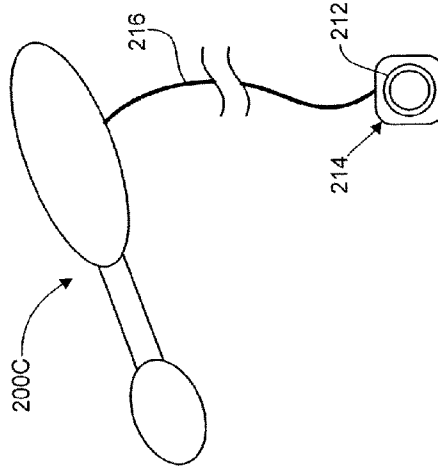


FIG. 2C

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