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(54) **PHYSICALLY AND ELECTRICALLY-SEPARATED, DATA-SYNCHRONIZED DATA SINKS FOR WIRELESS SYSTEMS**

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- (57) **ABSTRACT**

(75) **Inventors:** **Douglas K. Rosener**, Santa Cruz, CA (US); **Jay Wilson**, Portola Valley, CA (US); **Scott Walsh**, Foxham (GB); **David Huddart**, Westbury-on-Trym (GB); **Andrew Knowles**, Southampton (GB)

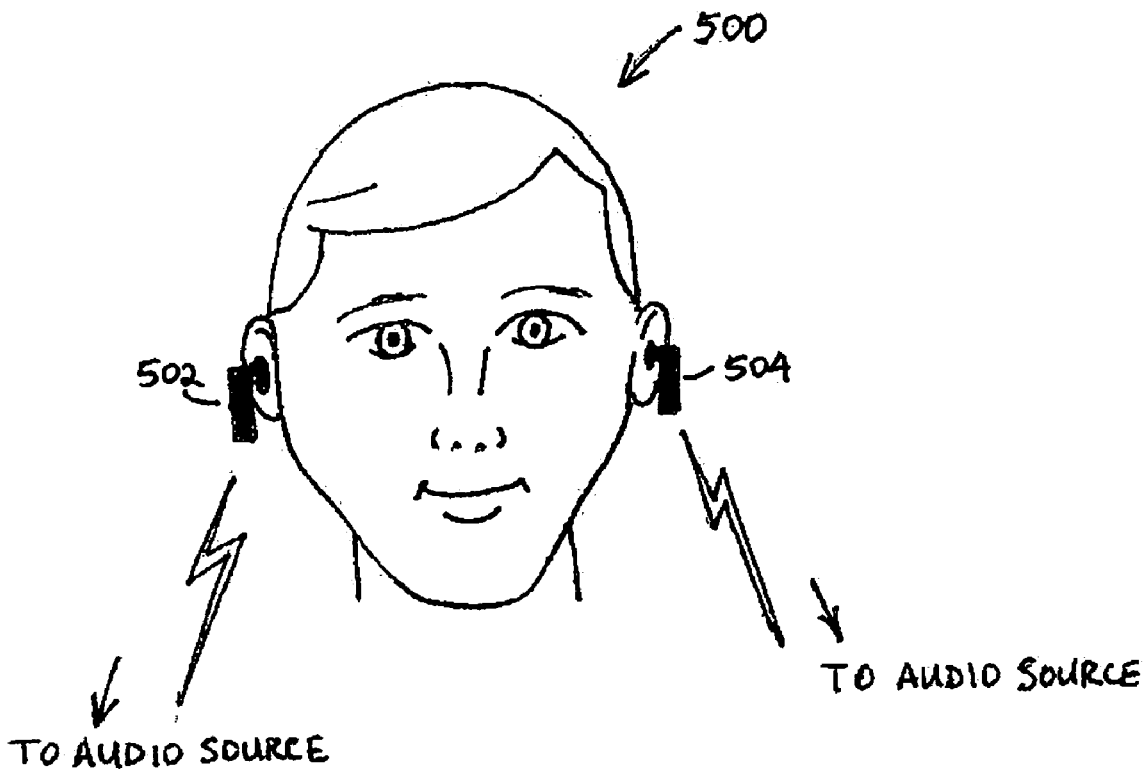
Wireless systems having a plurality of physically and electrically-separated data sinks. An exemplary wireless system includes first and second data sinks having no physical or electrical connection therebetween. The first and second data sinks each include a wireless communication device, e.g., a radio frequency (RF) receiver or transceiver configured to receive data signals over one or more single-access wireless links or over a multi-access wireless link. The first and second data sinks in exemplary embodiments may comprise audio data sinks, e.g., stereo speakers, left-ear and right-ear earphones (e.g., earbuds or canalphones), left-ear and right-ear circum-aural over-the-ear headphones, etc. At least one of the first and second data sinks may also be coupled to a wireless transmitter and accompanying data source (e.g., a microphone or sensor), so as to provide, for example, two-way communications between a user and an external data device (e.g., a cellular telephone).

Correspondence Address:
PLANTRONICS, INC.
345 ENCINAL STREET, P.O. BOX 635
SANTA CRUZ, CA 95060-0635

(73) **Assignee:** **PLANTRONICS, INC.**

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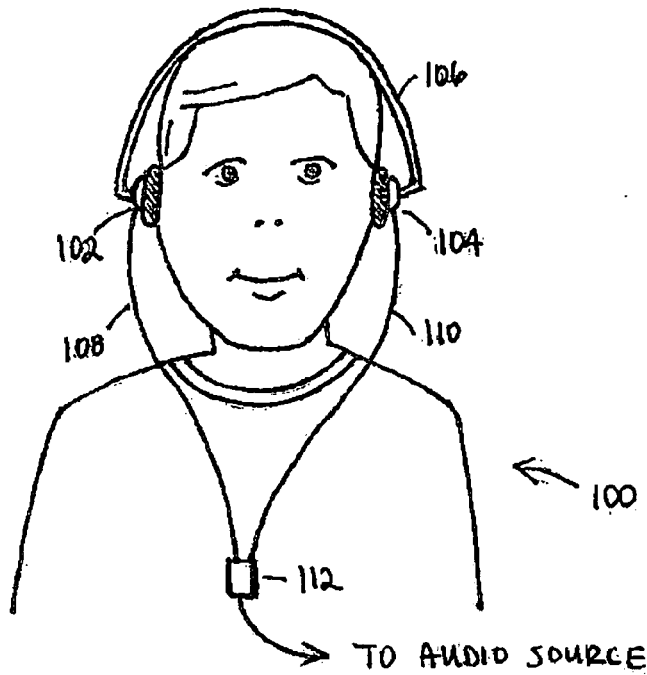


FIGURE 1A
(PRIOR ART)

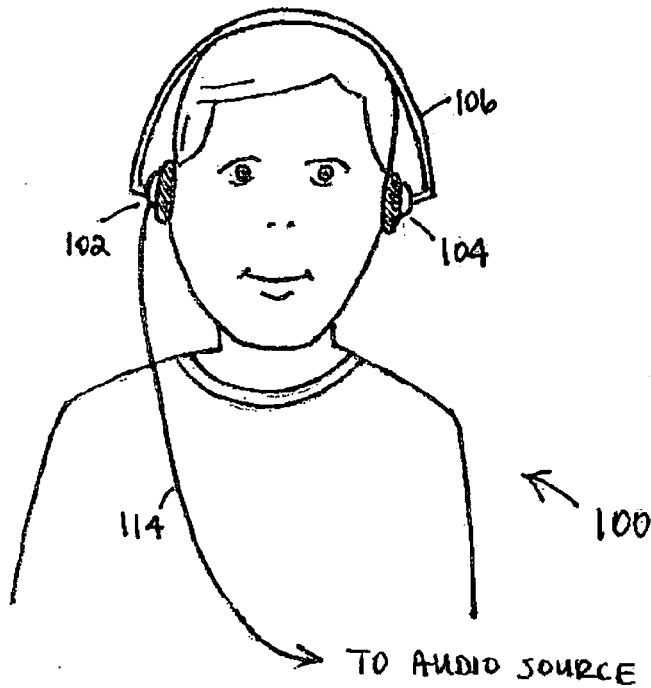


FIGURE 1B
(PRIOR ART)

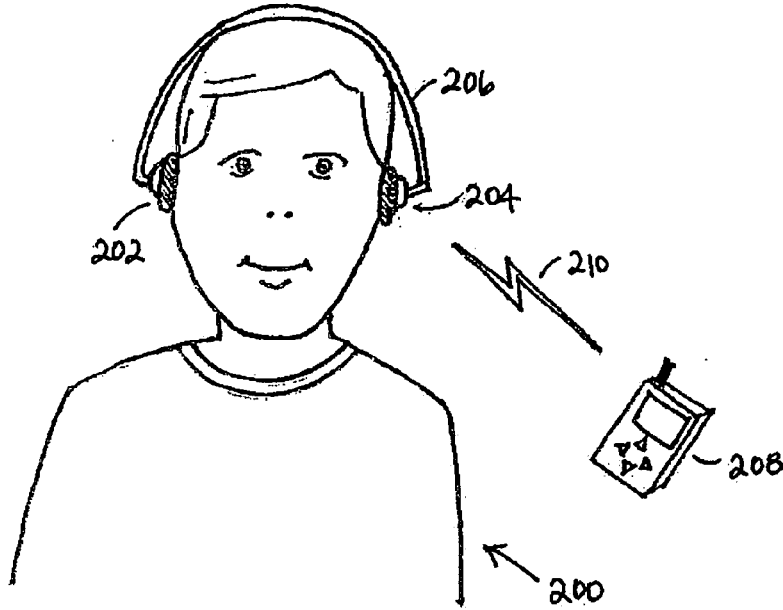


FIGURE 2
(PRIOR ART)

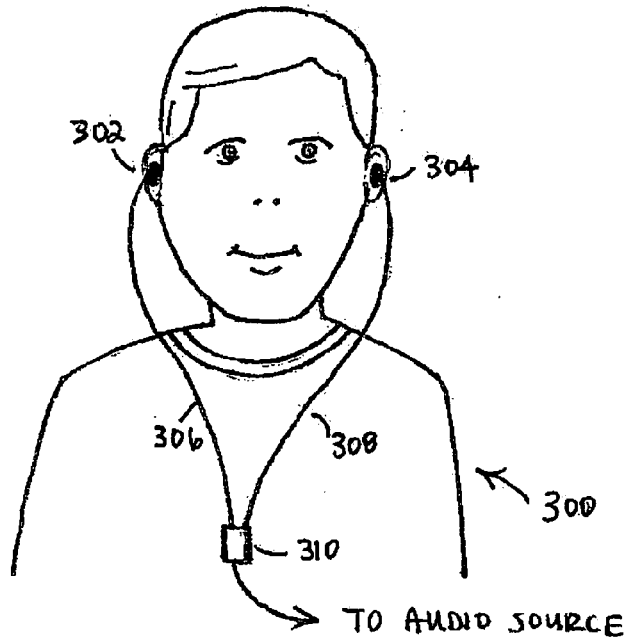


FIGURE 3
(PRIOR ART)

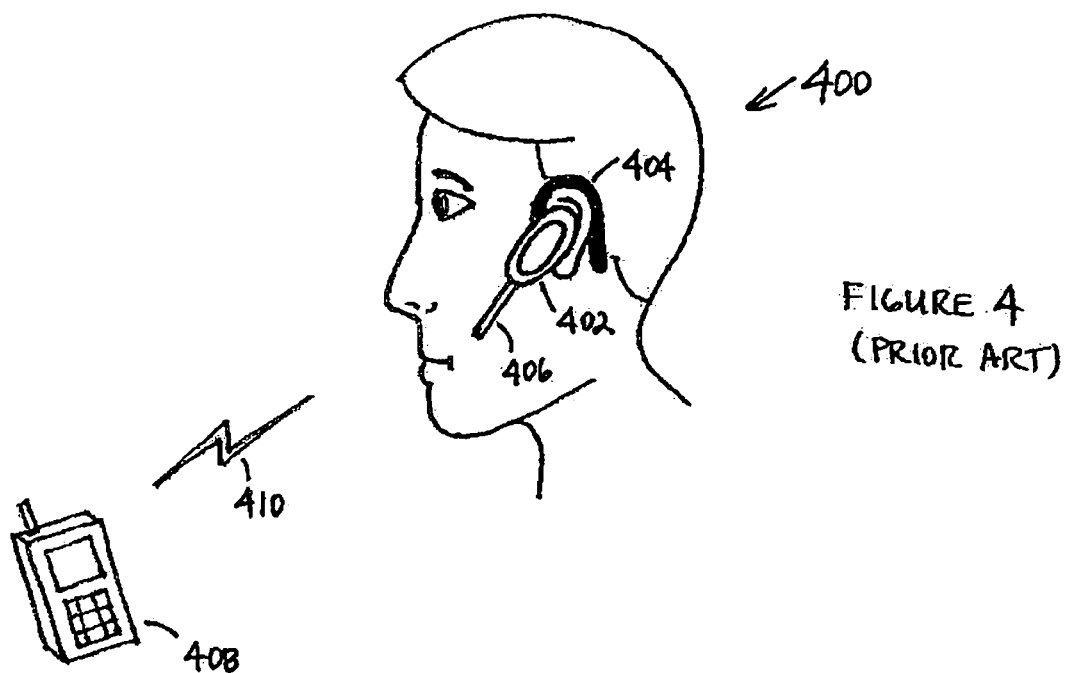


FIGURE 4
(PRIOR ART)

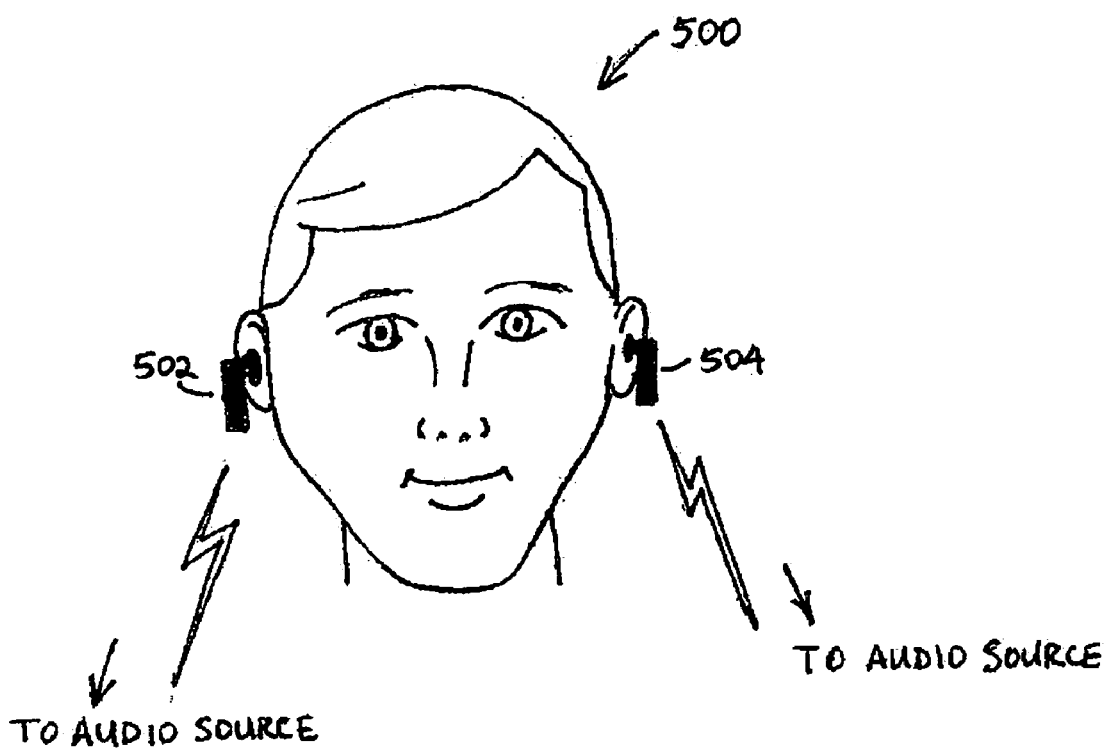


FIGURE 5

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