



US 20060111044A1

(19) **United States**(12) **Patent Application Publication**
Keller(10) **Pub. No.: US 2006/0111044 A1**(43) **Pub. Date: May 25, 2006**(54) **STEREO SIGNAL COMMUNICATION USING
BLUETOOTH TRANSCEIVERS IN
EARPIECES****Publication Classification**(51) **Int. Cl.****H04B 7/00** (2006.01)**H04M 1/00** (2006.01)(52) **U.S. Cl.** **455/41.2; 455/575.2**(76) **Inventor: Mark A. Keller, Pomona, CA (US)**

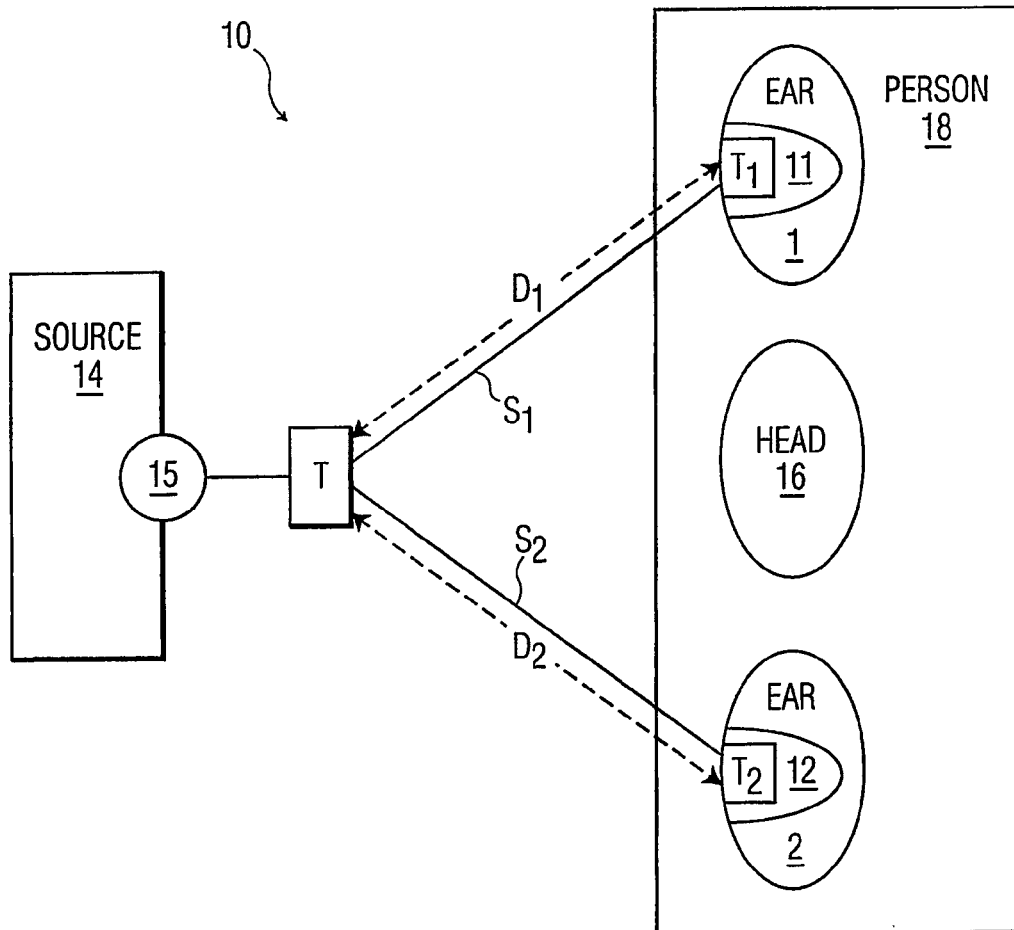
Correspondence Address:

**PHILIPS INTELLECTUAL PROPERTY &
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(57)

ABSTRACT

A system and method for signal communication. First and second audio signals are wirelessly transmitted a Bluetooth transceiver T over a first channel and a second channel to Bluetooth transceivers T1 and T2, respectively, in accordance with prevailing Bluetooth standards. The transceivers T1 and T2 are respectively comprised by first and second earpieces each fitted within or behind a first ear and a second ear of a person in a manner that is sufficient for the person to hear the first and second audio signals. The combination of the first and second audio signals constitutes a stereo signal. The first and second earpieces are not mechanically connected to each other by a headset or by any mechanical device that is adapted to fit on the head of the person.

(21) **Appl. No.: 10/536,644**(22) **PCT Filed: Nov. 26, 2003**(86) **PCT No.: PCT/IB03/05492****Related U.S. Application Data**(60) **Provisional application No. 60/430,916, filed on Dec. 4, 2002.**

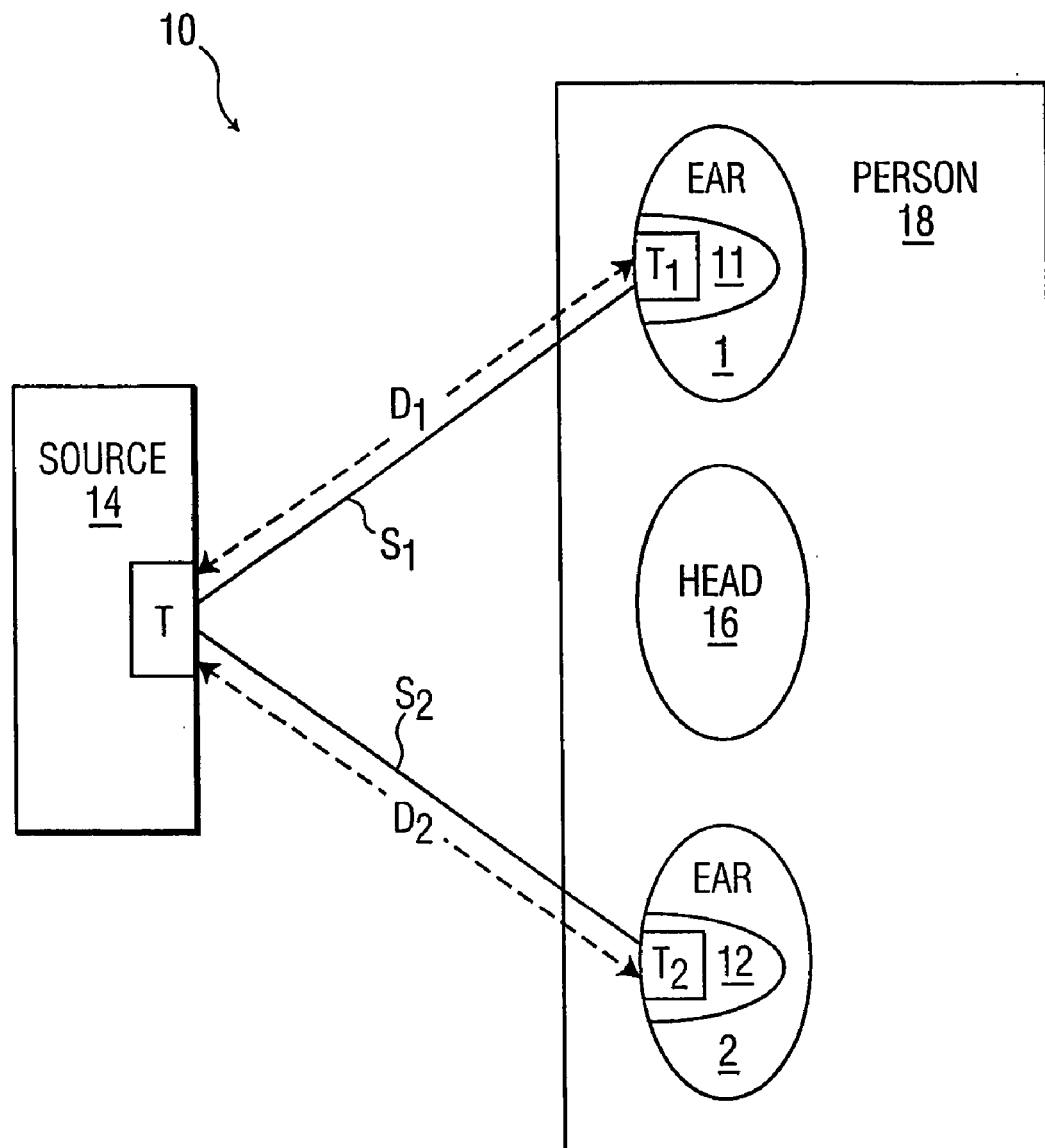


FIG. 1

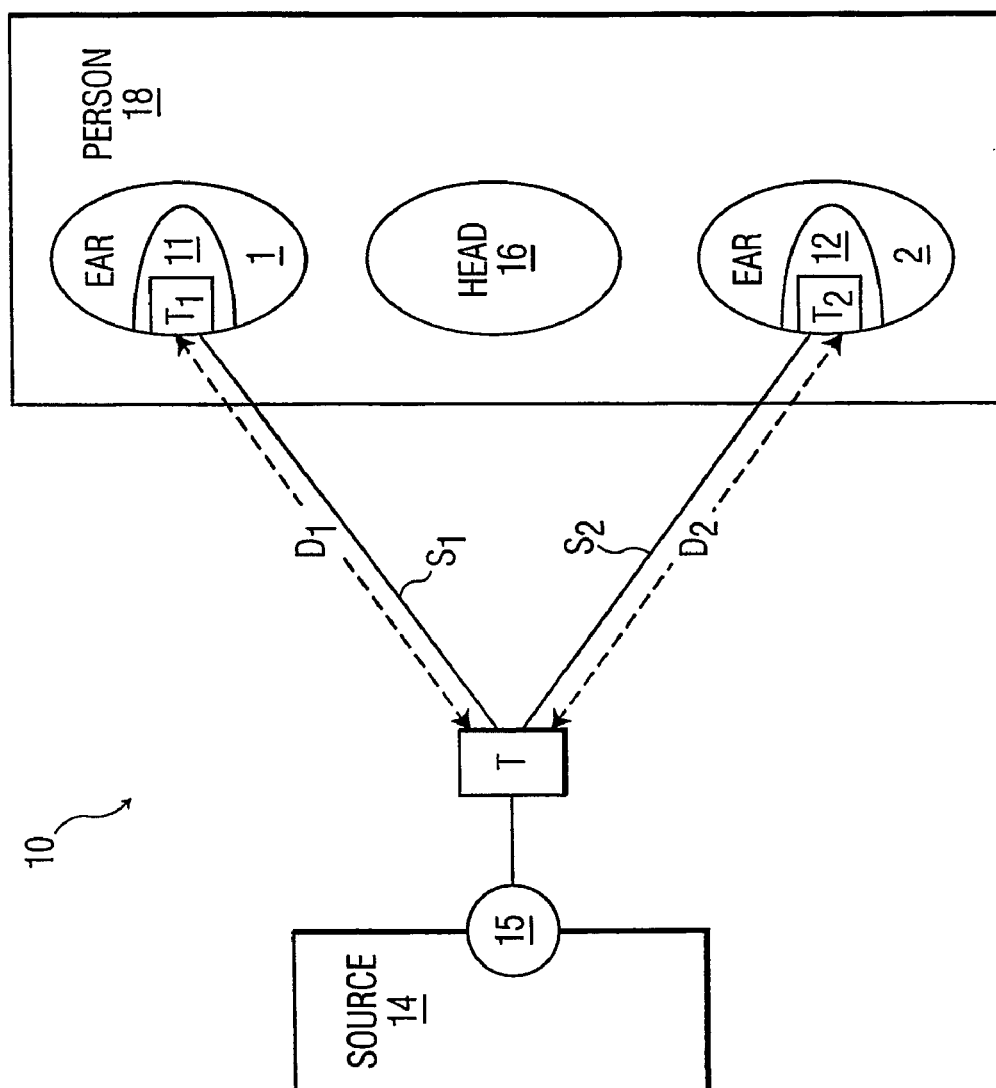


FIG. 2

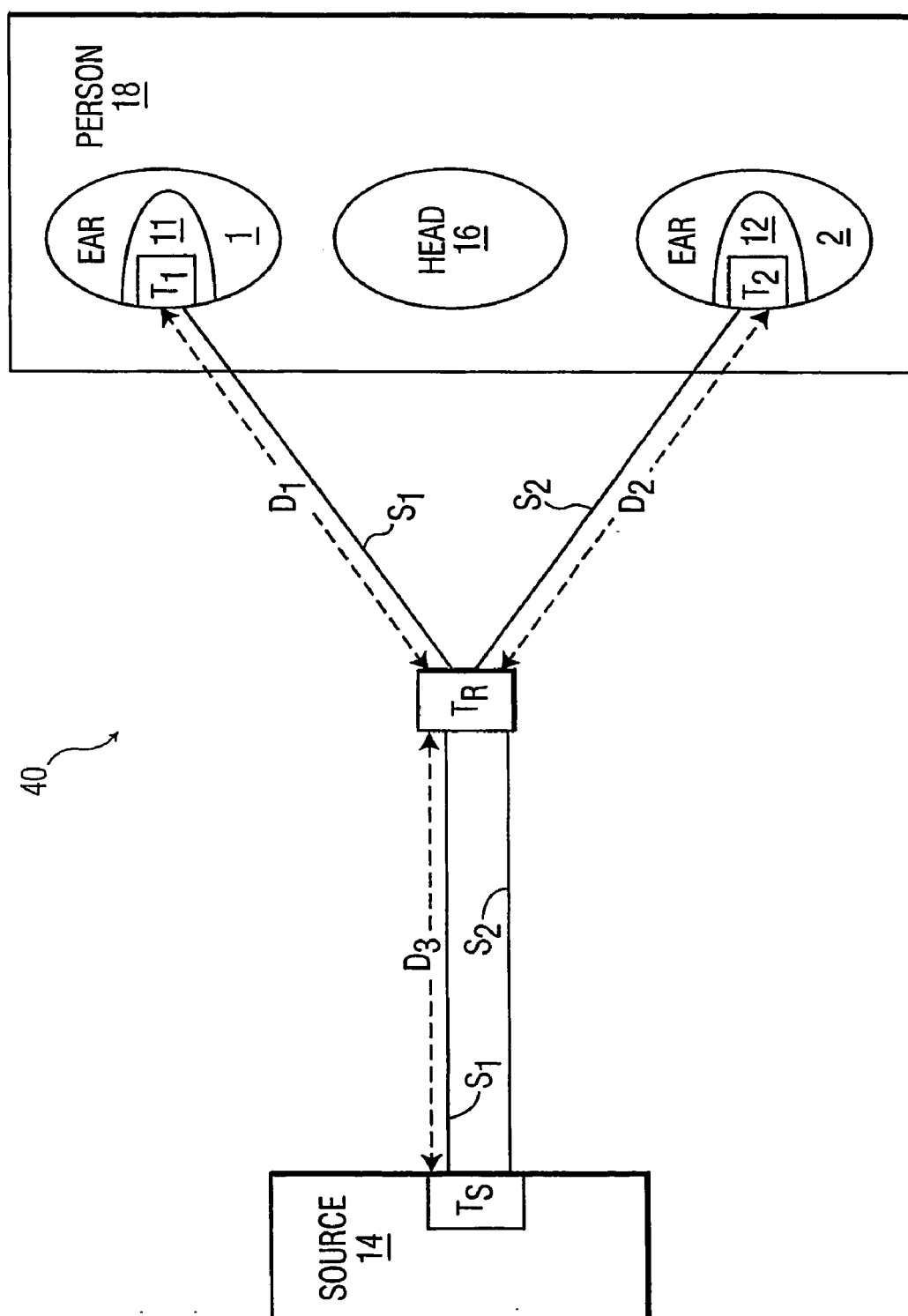


FIG. 3

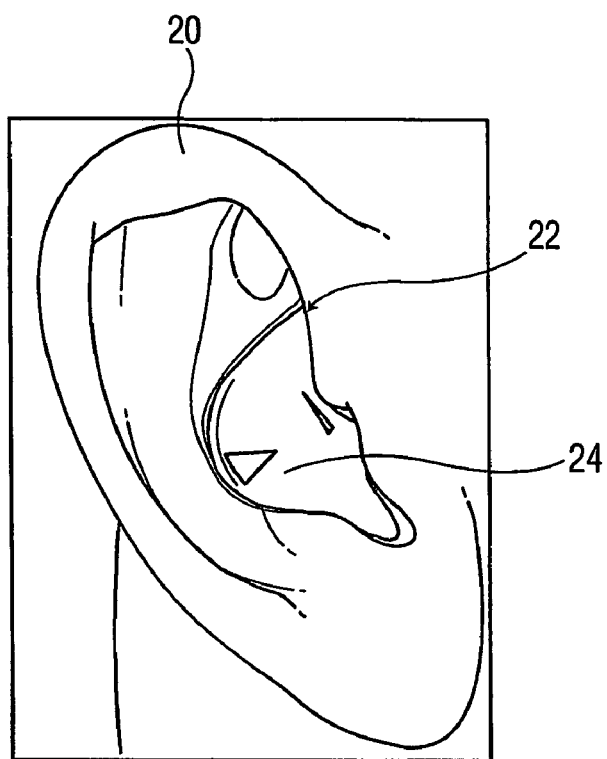


FIG. 4

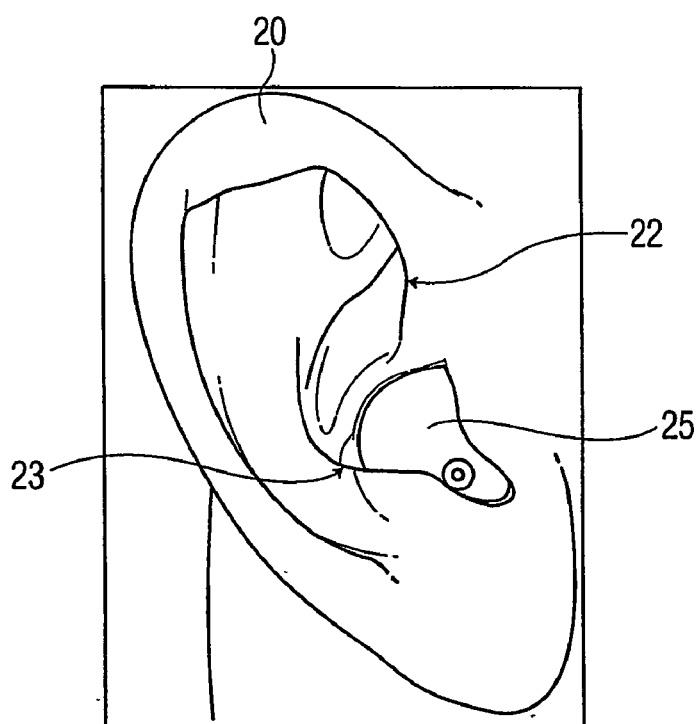


FIG. 5



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