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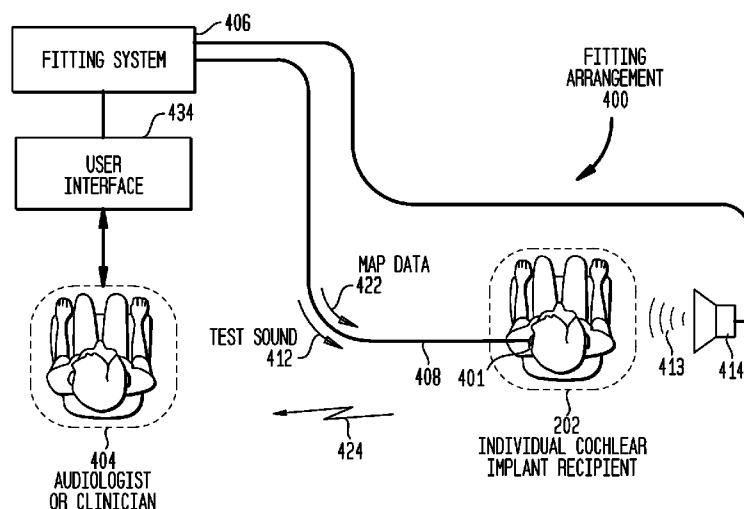
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(54) Title: BONE CONDUCTION DEVICE FITTING

FIG. 4



(57) Abstract: Methods and systems for fitting a bone conduction device are provided herein. These methods and systems comprise determining a gain to be used by the bone conduction device in providing signals at a particular frequency. In determining the gain, a fitting system may provide a test sound that is modulated between a first signal provided to a speaker and a second audible signal provided to a bone conduction device. The first and second audible signal may comprise properties such that when the two signals are added together they produce a constant amplitude output.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 09/38879

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H04R 25/00 (2009.01)

USPC - 381/326

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

USPC: 381/326

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 381/312; 381/151 (see terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST(PGPB,USPT,USOC,EPAB,JPAB), GOOGLE SCHOLAR

terms: bone conduction, warble, fitting, amplitude modulation, audiologist, gain curve, sinusoid, hearing, map data, out of phase, frequency, perception, psychophysical loudness, variance, user interface, recipient, ear.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,602,202 B2 (John et al.) 05 August 2003 (05.08.2003), fig. 1a, col 9, ln 37 - col 14, ln 49, col 20, ln 7-49, col 25, ln 29 - col 26, ln 34, col 30, ln 1 - col 37, ln 10.	1-2, 4-19, 21-26 ----- 3, 20
Y	US 6,840,908 B2 (Edwards et al.) 11 January 2005 (11.01.2005), fig. 1, col 5, ln 44 - col 7, ln 47.	3, 20

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