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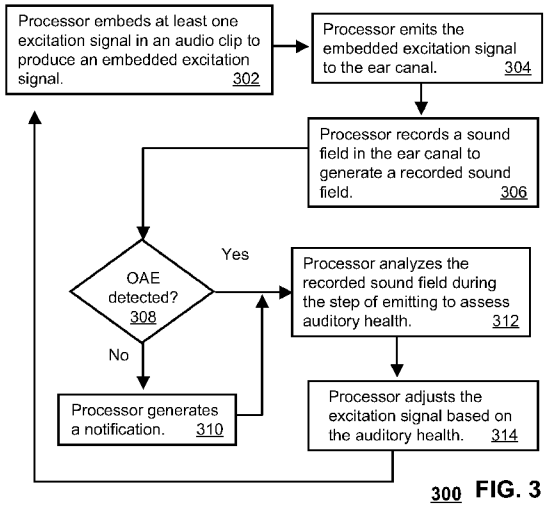
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(54) Title: METHOD AND DEVICE FOR EVALUATING AUDITORY HEALTH



300 FIG. 3

(57) Abstract: An earpiece (100) and a method (300) for evaluating auditory health can include embedding (302) at least one excitation signal (402) in an audio clip (404) to produce an embedded excitation signal (406), emitting (304) the embedded excitation signal to an ear canal (131) at least partially occluded by the earpiece, analyzing (312) a recorded sound field within the ear canal during a continuous delivery of the embedded excitation signal to assess auditory health, and adjusting (314) the excitation signal within the audio clip during the emitting based on comparative (404) differences with a reference otoacoustic emission (OAE).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A61B 5/00 (2008.04)
USPC - 600/559
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)
IPC(8) - A61B 5/00 (2008.04)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
USPTO EAST System (US, USPG-PUB, EPO, DERWENT), PatBase

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,594,174 A (KEEFE) 14 January 1997 (14.01.1997) entire document	1-25
A	US 5,776,179 A (REN et al) 07 July 1998 (07.07.1998) entire document	1-25

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