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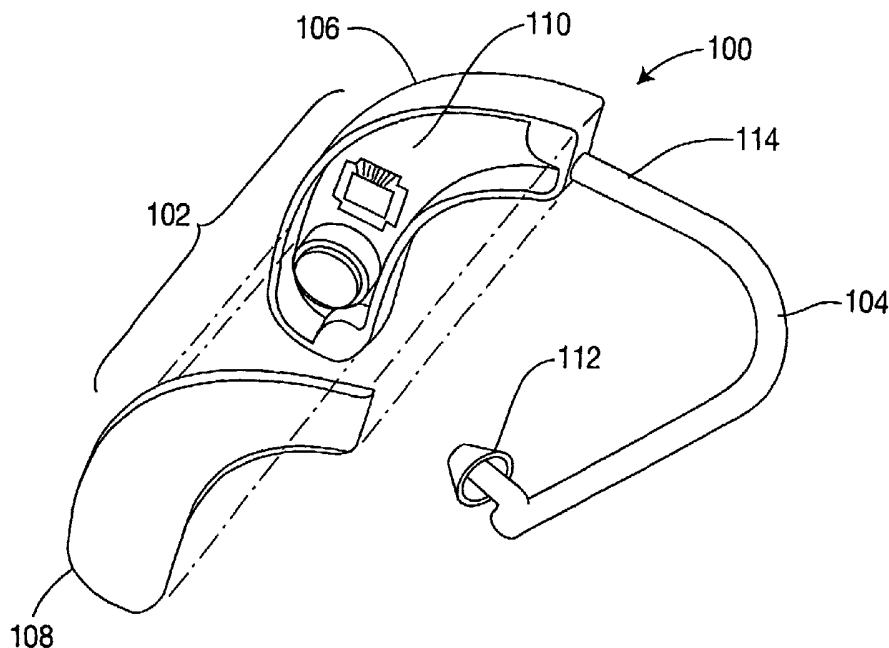
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[Continued on next page]

(54) Title: MONITORING USING SIGNALS DETECTED FROM AUDITORY CANAL



(57) Abstract: Methods and apparatus for monitoring at least one physiological parameter of an animal from one or more physiological characteristics present within an auditory canal of the animal. Physiological parameters are measured by sensing at least one physiological characteristic present within the auditory canal of the animal, the at least one physiological characteristic associated with a physiological parameter, and processing the at least one sensed physiological characteristic at a device positioned remotely from the auditory canal to determine the physiological parameter.



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B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 600/340, 549, 509, 529, 323, 344, 481 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)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,297,685 A (BRAINARD, II) 27 October 1981 (27.10.1981), column 3, line 65 - column 4, line 8.	1, 2, 4, 9 - 11
X	US 5,666,956 A (BUCHERT) 16 September 1997 (16.09.1997), column 9, lines 35 - 64).	1, 3, 6, 8, 9, 11
X	US 6,589,189 B2 (MEYERSON et al) 08 July 2003 (08.07.2003), column 10, line 14 - column 11, line 64.	1, 3, 5, 7, 9 - 11
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"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer <i>Sharon H. Greene for</i> Eric F Winakur Telephone No. 571/272-2975