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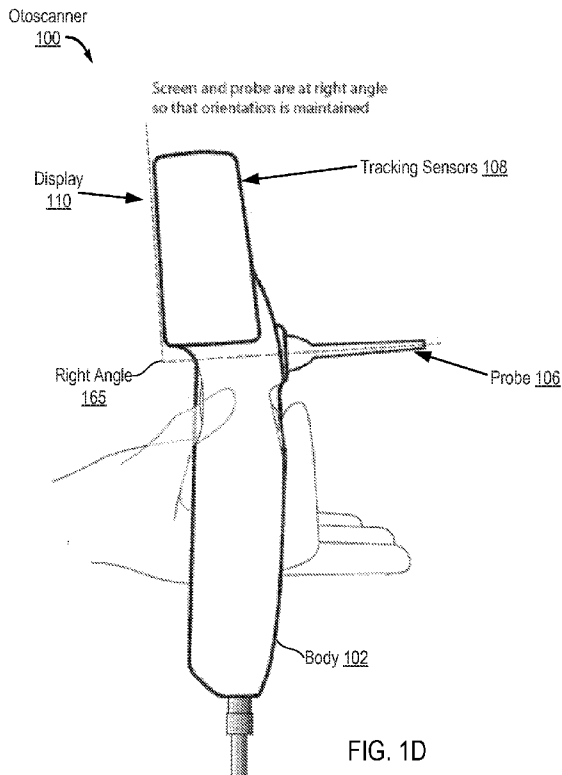
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(54) Title: OTOSCANNER WITH SAFETY WARNING SYSTEM



(57) Abstract: An otoscanner including an otoscanner body, the body comprising a hand grip, the body having mounted upon it an ear probe, a tracking illumination emitter, a plurality of tracking illumination sensors, and a display screen, the otoscanner body having mounted within it an image sensor; the image sensor coupled for data communications to a data processor, with the data processor configured to function by inferring, from a tracked position of the ear probe, previously recorded statistics describing typical ear sizes according to human demographics, and currently recorded demographic information regarding a person whose ear is scanned, the actual present position of the ear probe in relation to at least one part of the scanned ear; and providing a warning when the probe moves within a predefined distance from the part of the scanned ear.

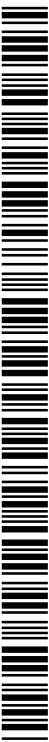


FIG. 1D



KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - A61B 01/227 (2013.01)
 USPC - 600/200
 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 01/00, 01/005, 01/008, 01/04, 01/05, 01/06, 01/07, 01/227 (2013.01)
 USPC - 600/101, 104, 108, 112, 160, 176, 177, 178, 182, 188, 190, 191, 199, 200

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 CPC Classification - A61B 01/227 (2013.01)
 CPC Fields Searched - A61B 01/00, 01/00064, 01/00071, 01/0008, 01/00096, 01/00163 (2013.01) see continuation on following page

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 Orbit.com, Google Patents, Google, ProQuest.com

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2011/0137118 A1 (HUANG) 09 June 2011 (09.06.2011) entire document	1-20
A	US 2004/0136010 A1 (JENSEN et al) 15 July 2004 (15.07.2004) entire document	1-20
A	US 2011/0026037 A1 (FORSTER et al) 03 February 2011 (03.02.2011) entire document	1-20
A	US 2010/0296664 A1 (BURGETT et al) 25 November 2010 (25.11.2010) entire document	1-20
A	US 2010/0020333 A1 (KUNZ et al) 28 January 2010 (28.01.2010) entire document	1-20
A	US 2009/0018465 A1 (HESELE et al) 15 January 2009 (15.01.2009) entire document	1-20
A	WO 2010/140074 A1 (POPOVIC) 09 December 2010 (09.12.2010) entire document	1-20

Further documents are listed in the continuation of Box C.

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“A” document defining the general state of the art which is not considered to be of particular relevance	“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
“E” earlier application or patent but published on or after the international filing date	“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
“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)	“&” document member of the same patent family
“O” document referring to an oral disclosure, use, exhibition or other means	
“P” document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 10 April 2013	Date of mailing of the international search report 26 APR 2013
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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. 571-273-3201	Authorized officer: Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774
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INTERNATIONAL SEARCH REPORT

International application No.

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continuation of Box B. Fields Searched

CPC Fields Searched - ...A61B 01/00165, 01/00172, 01/005, 01/008, 01/04, 01/05, 01/06, 01/07, 01/227 (2013.01)