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(54) Title: SCANNING DENTAL ULTRASONOGRAPHY PROBE



FIG. 1

(57) Abstract: A dental ultrasonography probe includes a probe tip having a scanning ultrasonography transducer that generates a narrow beam ultrasonic transmission signal over a sequence of beam angles, that receives an ultrasonic return signal, and that generates an ultrasonic receive signal in response to the ultrasonic return signal to identify and measure dental and craniofacial objects and features. A probe body has a longitudinal axis that is substantially perpendicular to a longitudinal axis of the probe tip.



INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61B 8/00 (2012.01)

USPC - 600/459

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 8/00; G06F 17/30; G06K 19/00 (2012.01)

USPC - 29/25.35; 128/662.03, 662.06; 600/437, 459

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)

PatBase, Google Patents, Google Scholar

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,680,863 A (HOSSACK et al) 28 October 1997 (28.10.1997) entire document	1-4, 7-15
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Y		5, 6, 16-19
Y	US 2007/0078345 A1 (MO et al) 05 April 2007 (05.04.2007) entire document	5, 6, 16-17
Y	US 2007/0276254 A1 (YANG et al) 29 November 2007 (29.11.2007) entire document	18, 19
A	US 5,957,850 A (MARIAN, JR. et al) 28 September 1999 (28.09.1999) entire document	1-19

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