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(54) Title: DEVICES, SYSTEMS, AND METHODS FOR ASSESSING A VESSEL WITH AUTOMATED DRIFT CORRECTION

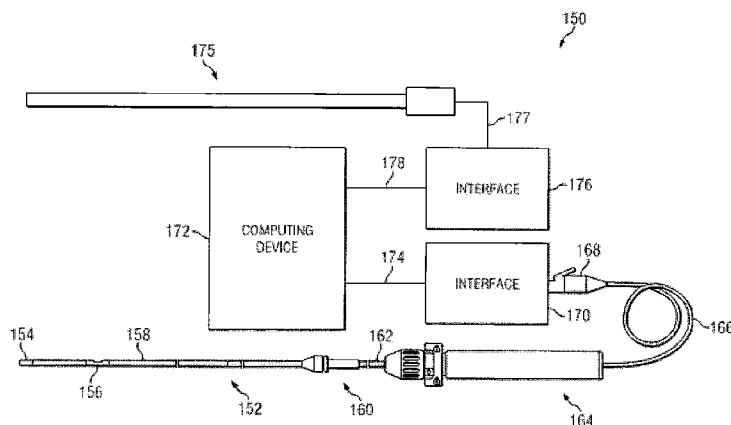


Fig. 4

(57) Abstract: Embodiments of the present disclosure are configured to assess the severity of a blockage in a vessel and, in particular, a stenosis in a blood vessel. In some particular embodiments, the devices, systems, and methods of the present disclosure are configured to assess the severity of a stenosis in the coronary arteries without the administration of a hyperemic agent. In some embodiments, the devices, systems, and methods of the present disclosure are configured to assess a vessel by automatically correcting for drift in the equipment utilized to obtain measurements related to the vessel.

A. CLASSIFICATION OF SUBJECT MATTER**A61B 5/0215(2006.01)i, A61M 25/01(2006.01)i, A61M 25/09(2006.01)i**

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)

A61B 5/0215; A61B 5/04; A61B 5/021; A61B 5/02; A61M 25/00; A61B 5/00; A61M 25/01; A61M 25/09

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: stenosis, pressure, detector, flow, evaluation, blockage, coronary blood, offset, vessel, catheter

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2013-028612 A2 (VOLCANO CORP. et al.) 28 February 2013 See page 7, lines 4-5, page 15, lines 25-28, claims 1-3 and figure 3.	1-21
Y	US 8182429 B2 (MARTIN K. MASON) 22 May 2012 See abstract, column 2, lines 33-40, column 2, line 66-column 3, line 2 and figure 1.	1-21
A	EP 2345365 A1 (NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY et al.) 20 July 2011 See abstract, paragraphs [0014]-[0022] and figures 1-8.	1-21
A	JP 11-128180 A (KAWASUMI LAB INC.) 18 May 1999 See paragraphs [0004]-[0011], claims 1-2 and figures 1-9.	1-21
A	US 2003-0032886 A1 (ELHANAN DGANY et al.) 13 February 2003 See abstract, paragraphs [0022]-[0037] and figures 1-9.	1-21



Further documents are listed in the continuation of Box C.



See patent family annex.

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"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

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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