

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 14/66146

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61B 1/015 (2015.01)

CPC - A61B 1/015, A61B 8/12, A61M 25/0082, A61M 2205/05, A61B 1/00087

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 1/015 (2015.01)

CPC - A61B 1/015, A61B 8/12, A61M 25/0082, A61M 2205/05, A61B 1/00087

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
A61M 2205/05*, A61M 25/*, 2025/*, A61B 8/46*, 600/156

(Search term limited; see below)

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

PubWest (PGPB, USPT, EPAB, JPAB); Google; PatBase (All);

Search Terms: IVUS, IVPA, intravenous, intravascular, catheter, imaging, therapy, deliver*, inject*, lumen, conduit, drug*, pharma*, agent, thrombolytic, streptokinase, urokinase, alteplase, reteplase, tenecteplase, determin*, character*, identif*, lesion, plaque, thromb*,

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2010/0081873 A1 (TANIMURA et al.) 01 April 2010 (01.04.2010) Entire document, especially Abstract, para[0024], para[0037]- para[0039], para[0053]- para[0063] and FIGS. 1, 5-7.	1-2, 5-6, 8, 10-11, 15-16, 18-20, 26, 28, 30-36
X — Y	US 2013/0023912 A1 (BROWN et al.) 25 January 2013 (24.01.2013) Entire document, especially Abstract, para[0009]- para[0010], para[0053], para[0063]- para[0067], para[0079], para[0090]- para[0092] and FIGS. 7, 16, 20.	1, 3-4, 9, 11-14, 16-18, 21-23, 26-29 7, 24-25
Y	US 2011/0166455 A1 (CULLY et al.) 07 July 2011 (07.07.2011) Entire document, especially Abstract, para[0011], para[0326], para[0462].	7, 24-25
A	US 2003/0199747 A1 (MICHLITSCH et al.) 23 October 2003 (23.10.2003) Entire document.	1-36
A	US 2009/0234231 A1 (KNIGHT et al.) 17 September 2009 (17.09.2009) Entire document.	1-36
A	US 6,246,898 B1 (VESELY et al.) 12 June 2001 (12.06.2001) Entire document.	1-36
A	US 5,924,997 A (CAMPBELL) 20 July 1999 (20.07.1999) Entire document.	1-36

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"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)

"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

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

"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

"&" document member of the same patent family

Date of the actual completion of the international search

26 May 2015 (26.05.2015)

Date of mailing of the international search report

25 JUN 2015

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