

**SUPPLEMENTARY  
EUROPEAN SEARCH REPORT**

Application Number  
EP 15 78 9395

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2009/131910 A1 (WEBLER WILLIAM E [US]) 21 May 2009 (2009-05-21) * paragraphs [0004], [0005] - [0016], [0026] - [0057]; claims; figures * -----	1-14	INV. A61B8/08 A61B8/00 A61B8/14
X	US 2008/154136 A1 (WEBLER WILLIAM E [US]) 26 June 2008 (2008-06-26)	1	
A	* paragraphs [0005] - [0016], [0023] - [0038]; claims; figures * -----	2-14	
A	JP 2013 255694 A (ASAHI INTECC CO LTD) 26 December 2013 (2013-12-26) * the whole document * -----	1-14	
			TECHNICAL FIELDS SEARCHED (IPC)
			A61B A61M
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search		Date of completion of the search	Examiner
Munich		17 November 2017	Mundakapadam, S
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 15 78 9395

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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17-11-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2009131910 A1	21-05-2009	EP 2389217 A1	30-11-2011
		ES 2435466 T3	19-12-2013
		JP 5575807 B2	20-08-2014
		JP 2012515616 A	12-07-2012
		US 2009131910 A1	21-05-2009
		WO 2010085374 A1	29-07-2010
		-----	-----
US 2008154136 A1	26-06-2008	AT 556736 T	15-05-2012
		EP 2262562 A2	22-12-2010
		EP 2462977 A1	13-06-2012
		ES 2386370 T3	20-08-2012
		JP 5420572 B2	19-02-2014
		JP 2011512994 A	28-04-2011
		US 2008154136 A1	26-06-2008
WO 2009114340 A2	17-09-2009		
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JP 2013255694 A	26-12-2013	JP 5888740 B2	22-03-2016
		JP 2013255694 A	26-12-2013
-----	-----	-----	-----

专利名称(译)	用于血管内超声程序的引导构件和相关装置		
公开(公告)号	<a href="#">EP3139839A4</a>	公开(公告)日	2018-01-03
申请号	EP2015789395	申请日	2015-05-05
[标]申请(专利权)人(译)	玛芬股份有限公司		
申请(专利权)人(译)	MUFFIN INCORPORATED		
当前申请(专利权)人(译)	MUFFIN INCORPORATED		
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发明人	FEARNOT, NEAL E. MCKINNIS, PETER S. HAWKINS, KEM		
IPC分类号	A61B8/08 A61B8/00 A61B8/14		
CPC分类号	A61B8/0891 A61B8/12 A61B8/445 A61B8/483 A61M25/0108 A61M2025/09166 A61M25/09 A61M2025/0177 A61M2025/09133		
优先权	61/989679 2014-05-07 US		
其他公开文献	EP3139839A1		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

描述了具有至少一个回声段的导丝，以及相关的装置和方法。导丝可以与配备有血管内超声探头的装置组合，并且用于在血管环境中正在进行的手术期间有效地成像区域。回声段可以具有一个或多个回声标记，以使得能够使用血管内超声检测段的分段和/或相对运动。

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to:	CLASSIFICATION OF THE APPLICATION (IPC)
Category	Class of documents with indication of relevant passages	Relevant to:	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2009/131949 A1 (WEBER WILLIAM E [US]) 21 May 2009 [2009-05-21] * paragraphs [0004], [0005] - [0016], [0020] - [0057]; claims; figures - ----- US 2008/154136 A1 (WEBER WILLIAM E [US]) 24 June 2008 [2008-06-26] * paragraphs [0005] - [0016], [0023] - [0030]; claims; figures - ----- JP 2013 255694 A (ASAMI INTECC CO LTD) 26 December 2013 [2013-12-26] * the whole document * -----	1-14  1  2-14  1-14	1B6 A61B8/08 A61B8/00 A61B8/14
			TECHNICAL FIELD SEARCHED (IPC) A61B A61M
The applicant's search report has been filed on the text of this document and is available at the cited address.			
Place of search		Date of completion of the search	Source
Munich		17 November 2017	Mundakapadam, S
CATEGORY OF OFFERED DOCUMENTS			
X: previously relevant if new claims Y: previously relevant if new claims, and/or if the document is cited in the application Z: document cited for other reasons A: document of the same patent family, corresponding document			
E: freely available under the provisions of article 17(2) of the EPC, not published in O: document cited in the application F: document cited for other reasons A: member of the same patent family, corresponding document			