

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 15 77 6286

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 5 910 119 A (LIN GREGORY SHARAT [US]) 8 June 1999 (1999-06-08)	1	INV. A61B8/06
Y	* column 3, lines 39-58 * * column 4, lines 24-33 * * column 5, lines 14-20 * * figures 1,2 *	2-7	A61B8/14
Y,D	----- JP 2013 192643 A (UNIV TOKYO; HITACHI ALOKA MEDICAL LTD) 30 September 2013 (2013-09-30) * the whole document * & WO 2013/136573 A1 (ALOCA CO LTD) 19 September 2013 (2013-09-19) & EP 2 826 425 A1 (UNIV TOKYO [JP]; HITACHI ALOKA MEDICAL LTD [JP]) 21 January 2015 (2015-01-21) * paragraphs [0031] - [0033] * -----	2-7	
			TECHNICAL FIELDS SEARCHED (IPC)
			A61B
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 Munich		Date of completion of the search 24 November 2017	Examiner Willig, Hendrik
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 77 6286

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

24-11-2017

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5910119	A	08-06-1999	EP	0957374 A2		17-11-1999
			JP	4297555 B2		15-07-2009
			JP	2000201931 A		25-07-2000
			US	5910119 A		08-06-1999

JP 2013192643	A	30-09-2013	CN	104168835 A		26-11-2014
			EP	2826425 A1		21-01-2015
			JP	5497821 B2		21-05-2014
			JP	2013192643 A		30-09-2013
			US	2015013471 A1		15-01-2015
			WO	2013136573 A1		19-09-2013

专利名称(译)	超声诊断装置		
公开(公告)号	EP3130290A4	公开(公告)日	2018-01-03
申请号	EP2015776286	申请日	2015-03-12
[标]申请(专利权)人(译)	株式会社日立制作所		
申请(专利权)人(译)	HITACHI , LTD.		
当前申请(专利权)人(译)	HITACHI , LTD.		
[标]发明人	SEKI YOSHINORI		
发明人	SEKI, YOSHINORI		
IPC分类号	A61B8/06 A61B8/14		
CPC分类号	A61B8/06 A61B8/14 A61B8/4444 A61B8/461 A61B8/488 A61B8/5207 A61B8/54		
优先权	2014079533 2014-04-08 JP		
其他公开文献	EP3130290A1		
外部链接	Espacenet		

摘要(译)

本发明的目的是使用简单的过程找到血流速度的每个分量。在二次波束方法中，使用多普勒测量超声波束（42）作为主波束执行扫描，并且基于从每个多普勒测量超声波束的方向接收的超声波来测量多普勒测量分量。然后，发送和接收在与多普勒测量超声波束的方向交叉的方向上形成次级波束（58）的超声波，以及在与多普勒测量超声波束的交叉点处的次级波束方向分量的多普勒效应（42）测量次级光束（58）。此外，使用交叉点作为开始积分的位置，沿着与多普勒测量超声波束（42）交叉的路线执行基于质量守恒定律的积分计算，并且在交叉点的方向上的分量找到路线。积分的初始值是积分起始点（PA）的交叉路线方向上的分量，并且基于积分起始点处的多普勒测量分量和次波束方向分量来找到。

 European Patent Office Patent Office of the European Union		SUPPLEMENTARY EUROPEAN SEARCH REPORT		Application Number EP 15 77 6286
DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document with indication, where appropriate, of relevant passages	Relevance to claims	CLASSIFICATION OF THE APPLICATION (IPC)	
X	US 5 910 119 A (LIN GREGORY SHARAT [US]) 8 June 1999 (1999-06-08) * column 3, lines 39-58 * column 4, lines 24-33 * column 5, lines 14-20 * figures 1, 2	1	1B2 A61B8/06 A61B8/14	
Y		2-7		
Y, D	JP 2013 182643 A (UNIV TOKYO; HITACHI ALOKA MEDICAL LTD) 30 September 2013 (2013-09-30) * the whole document * NO 2013/136573 A1 (ALCOA CO LTD) 19 September 2013 (2013-09-19) * EP 2 826 425 A1 (UNIV TOKYO) HITACHI ALOKA MEDICAL LTD [JP] 21 January 2015 (2015-01-21) * paragraphs [0031] - [0033] * 			