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10791047.3 / 2 421 441

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(54) Handheld ultrasound imaging apparatus and a method of producing an ultrasound image

(57) An ultrasound imaging device with a transducer which is moved in a repetitive motion, including an array of transducers wherein the distance between adjacent transducers is greater than the minimum separation of

adjacent scanlines required to produce an ultrasound image of a desired resolution, the movement of the array allowing the device to produce an ultrasound image of at least the desired resolution.

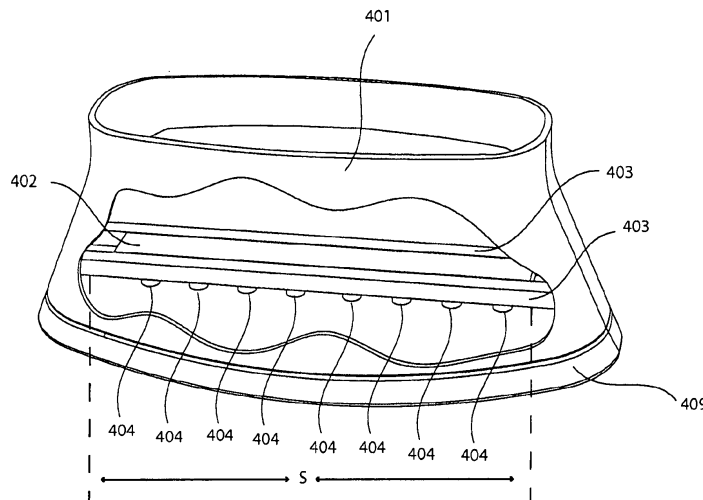


Figure 4

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EUROPEAN SEARCH REPORT

Application Number
EP 11 00 9483

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2003/018264 A1 (SUZUKI YOICHI [JP] ET AL) 23 January 2003 (2003-01-23) * the whole document * -----	1-15	
A	US 6 139 500 A (CLARK DAVID W [US]) 31 October 2000 (2000-10-31) * the whole document * -----	1-15	
			TECHNICAL FIELDS SEARCHED (IPC)
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 15 October 2012	Examiner Zaneboni, Thomas
<p>1</p> <p>EPO FORM 1503 03.02 (F04C01)</p> <p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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

EP 11 00 9483

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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15-10-2012

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US 6547731	B1	15-04-2003	US 6547731 B1 15-04-2003 WO 9956626 A1 11-11-1999
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专利名称(译)	手持式超声成像设备和产生超声图像的方法		
公开(公告)号	EP2426509A3	公开(公告)日	2012-11-21
申请号	EP2011009483	申请日	2010-06-21
申请(专利权)人(译)	SIGNOSTICS有限公司		
当前申请(专利权)人(译)	SIGNOSTICS有限公司		
[标]发明人	EL AKLOUK ESSA BARTLETT STEWART PARKER JOHN		
发明人	EL-AKLOUK, ESSA BARTLETT, STEWART PARKER, JOHN		
IPC分类号	A61B8/00 G01S15/89		
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代理机构(译)	贝雷斯福德KEITH DENIS LEWIS		
优先权	2009902886 2009-06-23 AU		
其他公开文献	EP2426509B1 EP2426509A2		
外部链接	Espacenet		

摘要(译)

一种具有换能器的超声成像装置，所述换能器以重复运动方式移动，包括换能器阵列，其中相邻换能器之间的距离大于产生所需分辨率的超声图像所需的相邻扫描线的最小间隔，所述移动是阵列允许装置产生至少所需分辨率的超声图像。

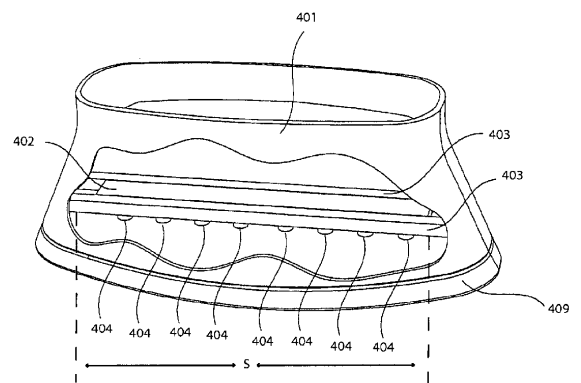


Figure 4