



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	WO 97/23865 A (ENDOSONICS CORPORATION) 3 July 1997 (1997-07-03) * page 14, line 1 - page 15, line 6; figure 4 *	1-21	A61B8/12 B06B1/06 G01S15/89
A	----- US 5 456 259 A (BARLOW ET AL) 10 October 1995 (1995-10-10) * column 7, line 64 - column 10, line 25 * * figure 14 *	1-21	
A	----- EP 0 458 092 A (ACOUSTIC IMAGING TECHNOLOGIES CORPORATION) 27 November 1991 (1991-11-27) * abstract * * figures 1,2 *	1-21	

			TECHNICAL FIELDS SEARCHED (IPC)
			A61B B06B G01S
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		10 March 2006	Willig, H
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 03 74 9183

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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10-03-2006

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9723865	A	03-07-1997	CA	2211196	A1	03-07-1997
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专利名称(译)	超声成像装置和制造方法		
公开(公告)号	EP1534136A4	公开(公告)日	2006-05-10
申请号	EP2003749183	申请日	2003-08-27
[标]申请(专利权)人(译)	Volcano治疗		
申请(专利权)人(译)	Volcano治疗，INC.		
当前申请(专利权)人(译)	Volcano治疗，INC.		
发明人	STEPHANS, DOUGLAS NEIL		
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CPC分类号	G01N29/2437 A61B8/12 A61B8/4483 A61B8/4488 B06B1/0622 G01N29/2468 G01N2291/106		
优先权	10/233870 2002-08-29 US		
其他公开文献	EP1534136A2		
外部链接	Espacenet		

摘要(译)

提供了一种用于超声成像导管（12）的传感器（16）和制造方法。传感器（16）可以基于柔性电路（32），压电传感器阵列换能器材料块安装在柔性电路（32）上。柔性电路可以包括电导体（34），其电连接到压电块上的电极。可以在块和柔性电路基板之间的压电块上形成匹配层。在形成匹配层之后，可以通过将压电块分成多个单独的换能器元件来形成各个换能器阵列元件。可以在相邻换能器阵列元件之间的柔性电路基板中形成切口，以在声学上解耦相邻元件。柔性电路基板和匹配层可以具有相对高的阻抗，以促进传感器和成像环境之间的声阻抗匹配。

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The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
1 International Search Report			
Place of search		Date of completion of the search	Examiner
Munich		10 March 2006	Willing, H
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