

**SUPPLEMENTARY
EUROPEAN SEARCH REPORT**

Application Number

EP 03 74 4050

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 5 653 235 A (TEO TAT-JIN [US]) 5 August 1997 (1997-08-05) * column 3, line 45 - column 4, line 22; figures 1,2,4 * * column 5, line 5 - column 6, line 44 * -----	1-7,9, 13-16	INV. A61B8/00
Y	-----	8,10-12	
X	US 6 102 860 A (MOONEY MATTHEW [US]) 15 August 2000 (2000-08-15) * column 6, line 25 - column 7, line 15; figures 1,3,5,8 * * column 3, line 35 - column 4, line 50 * -----	1-7,13, 14,16	
Y	EP 0 150 634 A (CGR ULTRASONIC [FR]) 7 August 1985 (1985-08-07) * column 1, line 53 - line 58; figures 1,3 * * column 2, line 14 - line 17 * * column 2, line 50 - line 60 * -----	10-12	
Y	US 6 014 897 A (MO LARRY Y L [US]) 18 January 2000 (2000-01-18) * column 5, line 54 - line 63 * -----	8	TECHNICAL FIELDS SEARCHED (IPC)
			A61B G01S
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
2	Place of search	Date of completion of the search	Examiner
	The Hague	26 November 2008	Ekstrand, Vilhelm
CATEGORY OF CITED DOCUMENTS		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	
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			

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

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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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26-11-2008

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5653235	A	05-08-1997	NONE		
US 6102860	A	15-08-2000	NONE		
EP 0150634	A	07-08-1985	DE 3471785 D1 FR 2553521 A1 JP 60150734 A US 4641660 A		07-07-1988 19-04-1985 08-08-1985 10-02-1987
US 6014897	A	18-01-2000	EP 1046056 A1 JP 2002523203 T WO 0013038 A1		25-10-2000 30-07-2002 09-03-2000

专利名称(译)	超声检查		
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[标]申请(专利权)人(译)	株式会社日立医药		
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CPC分类号	G01S7/52085 A61B8/13 A61B8/4494 A61B8/483 G01S7/52065 G01S15/8922 G01S15/8925 G01S15/8927 G10K11/345 Y10S128/922		
优先权	2002066591 2002-03-12 JP		
其他公开文献	EP1484019A1		
外部链接	Espacenet		

摘要(译)

一种超声波诊断装置，包括：超声波探头，该超声波探头具有用于向被检查对象发送和接收超声波的二维配置的换能器元件；用于选择在超声波的收发中使用的换能器元件的换能器元件选择装置；以及用于应用的信号处理单元。对由所选换能器元件接收的信号的延迟时间，用于基于信号处理单元的输出信号生成图像的图像处理单元以及用于显示图像的图像显示单元，其中，图像处理单元包括存储装置用于存储通过扫描由换能器元件选择装置选择的第一换能器布置获得的第一超声图像和通过扫描由换能器元件选择装置选择的第二换能器布置获得的第二超声图像，以照射超声束与光束方向不同的方向。所述第一换能器装置的一个和一个用于将所述第一超声图像和所述第二超声图像组合的图像计算装置。通过提供上述超声波诊断设备，可以使用二维布置的超声波探头来收集高分辨率的断层图像，并且可以使用二维布置的超声波探头来提高诊断图像的图像质量而不会增加规模。

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X	US 5 653 235 A (TEO TAT-JIN [US]) 5 August 1997 (1997-08-05) * column 3, line 45 - column 4, line 22; figures 1, 2, 3 * column 5, line 5 - column 6, line 44 *	1-7, 9, 13-16	INV. A61B8/00
Y	US 6 102 860 A (HODNETT MATTHEW [US]) 11 August 2000 (2000-08-11) * column 6, line 25 - column 7, line 15; figures 1, 3, 5, 8 *	8, 10-12	
X	EP 0 150 634 A (CCR ULTRASONIC [FR]) 7 August 1988 (1988-08-07) * column 1, line 53 - line 58; figures 1, 3	1-7, 13, 14-16	
Y	EP 0 150 634 A (CCR ULTRASONIC [FR]) 7 August 1988 (1988-08-07) * column 1, line 53 - line 58; figures 1, 3	10-12	
Y	US 6 014 897 A (MO LARRY Y. L. [US]) 18 January 2000 (2000-01-18) * column 5, line 54 - line 63 *	8	TECHNICAL FIELDS ENRICHED (IPC) A61B A61S

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

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The Hague	26 November 2008	Ekstrand, Vilhelm
CATEGORIES OF RELEVANT DOCUMENTS		
<input checked="" type="checkbox"/> particularly relevant if taken alone <input checked="" type="checkbox"/> particularly relevant if combined with another document <input type="checkbox"/> document forming the basis for a citation <input type="checkbox"/> non-written disclosure <input type="checkbox"/> intermediate document		
a: earlier patent document, but published on, or after the date of filing of the application b: document cited in the application c: document cited in a document cited in the application d: member of the same patent family, corresponding document		