

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 15 76 2059

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 2002/007118 A1 (ADACHI HIDEO [JP] ET AL) 17 January 2002 (2002-01-17) * paragraphs [0072], [0102], [0103], [0113], [0118] - [0121], [0131] - [0132]; figures 1-4, 9A, 9B, 10 *	1-15	INV. A61B8/00 B06B1/06 G10K11/30
A,D	US 2007/205697 A1 (CHAGGARES N C [CA] ET AL) 6 September 2007 (2007-09-06) * paragraphs [0018] - [0024], [0051] - [0059], [0074] - [0079]; figures 1, 3 *	1-15	
A,D	US 2007/182287 A1 (LUKACS MARC [CA] ET AL) 9 August 2007 (2007-08-09) * paragraphs [0057] - [0068]; figure 4 *	1-15	
A	JP H11 206759 A (HITACHI MEDICAL CORP) 3 August 1999 (1999-08-03) * paragraphs [0032] - [0034], [0049] - [0054]; figures 2, 4-7 *	1-15	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			TECHNICAL FIELDS SEARCHED (IPC)
			B06B A61B G10K
Place of search		Date of completion of the search	Examiner
The Hague		17 November 2017	Naujoks, Marco
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.

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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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17-11-2017

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专利名称(译)	具有带有整体中心匹配层的超声透镜的高频超声换能器		
公开(公告)号	EP3116405A4	公开(公告)日	2018-01-03
申请号	EP2015762059	申请日	2015-03-12
[标]申请(专利权)人(译)	富士胶片索诺声公司		
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当前申请(专利权)人(译)	FUJIFILM SONOSITE , INC.		
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优先权	61/952086 2014-03-12 US		
其他公开文献	EP3116405A1		
外部链接	Espacenet		

摘要(译)

本文公开了配置用于高频超声诊断成像系统的高频超声换能器。在一个实施例中，超声换能器包括凹透镜，该凹透镜在中心部分具有基本上等于超声换能器的中心频率的奇数倍的1/4波长的平均厚度。

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X	US 2002/007118 A1 (ADACHI HIDEO [JP] ET AL) 17 January 2002 (2002-01-17) * Paragraphs [0072], [0102] [0103], [0113], [0118], [042], [013] - [0132]; figures 1-4, 9A, 9B, 10	1-15	1B6 A61B8/00 B06B1/06 G10K11/30
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