

**SUPPLEMENTARY
 EUROPEAN SEARCH REPORT**

Application Number
 EP 12 73 1949

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 2004/113524 A1 (BAUMGARTNER CHARLES E [US] ET AL) 17 June 2004 (2004-06-17) * paragraphs [0001], [0030] - [0045]; figures 2,3 * -----	1-10	INV. A61B8/00 H04R19/00
A	US 2010/242612 A1 (SANO SHUZO [JP] ET AL) 30 September 2010 (2010-09-30) * paragraphs [0084] - [0096]; figures 2,5 * -----	1-10	
			TECHNICAL FIELDS SEARCHED (IPC)
			A61B B06B G10K
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
The Hague		19 September 2017	Gilow, Christoph
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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19-09-2017

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专利名称(译)	超声波探头		
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优先权	2011001485 2011-01-06 JP		
其他公开文献	EP2662024A1		
外部链接	Espacenet		

摘要(译)

本发明公开了一种超声波探头，包括：CMUT单元（13），其相互转换超声波和电信号；半导体衬底（15），在其表面上形成有多个CMUT单元（13）；声透镜（3）设置在CMUT单元（13）的正侧面；背衬层（5）设置在半导体基板（15）的背面侧。背衬层（5）由与半导体基板接触的第一背衬层（27）和设置在背衬层（27）的背面侧的第二背衬层（29）形成。基于半导体基板（15）的板厚设定背衬层（27）的声阻抗。背衬层（29）通过衰减能够衰减透过背衬层（27）的超声波的材料而形成。通过设置背衬层（29）的声阻抗以匹配背衬层（27）的声阻抗来抑制反射回波的多次反射。

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X	US 2004/113524 A1 (BAUMGARTNER CHARLES E ET AL), 17 June 2004, [2004-06-17] paragraphs [0001], [0030] - [0045]; figures 2, 3	1-10	INV A61B8/00 H04R19/00
A	US 2010/242612 A1 (SANO SHUZO [JP] ET AL), 30 September 2010 (2010-09-30) paragraphs [0084] - [0096]; figures 2, 5	1-10	
<p>The supplementary search report has been drawn up on the last set of claims valid and available at the start of the search.</p> <p>The date of publication of the report is 19 September 2017.</p> <p>The Inquirer: Gilow, Christoph</p>			
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X: prior art document, not published or not available to the public</p> <p>A: document cited in the application</p> <p>Y: document cited for other reasons</p> <p>W: document of the same patent family, corresponding document</p>			