



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 3 281 612 A (HATSCHEK RUDOLF A) 25 October 1966 (1966-10-25) * the whole document * -----	1-47	H01L41/04
X	US 3 390 287 A (CONRAD SONDEREGGER HANS) 25 June 1968 (1968-06-25) * column 3, line 14 - line 37; figures 4,5 * -----	1-47	
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 (Int.Cl.7)
			B06B
2	Place of search	Date of completion of the search	Examiner
	The Hague	4 November 2004	Swartjes, H
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.**

EP 00 90 5785

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. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

04-11-2004

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 3281612	A	25-10-1966		AT 237930 B CH 412396 A DE 1285575 B GB 1053523 A		11-01-1965 30-04-1966
US 3390287	A	25-06-1968		CH 429228 A AT 271947 B DE 1275627 B GB 1108846 A		31-01-1967 25-06-1969 22-08-1968 03-04-1968

专利名称(译)	用于医学成像的多压电层超声换能器		
公开(公告)号	<a href="#">EP1171919A4</a>	公开(公告)日	2004-12-22
申请号	EP2000905785	申请日	2000-01-28
[标]申请(专利权)人(译)	并行设计		
申请(专利权)人(译)	并行设计 , INC.		
当前申请(专利权)人(译)	并行设计 , INC.		
[标]发明人	CHANDRAN SANJAY CHARTRAND DAVID		
发明人	CHANDRAN, SANJAY CHARTRAND, DAVID		
IPC分类号	G01N29/24 A61B8/00 B06B1/06 H01L41/047 H01L41/09 H02N2/04 H04R17/00 H01L41/04		
CPC分类号	B06B1/0611 H01L41/0471 H01L41/0475 H01L41/277 Y10T29/42 Y10T29/49005 Y10T29/49155 Y10T29/49156		
优先权	60/117869 1999-01-28 US		
其他公开文献	EP1171919A1		
外部链接	<a href="#">Espacenet</a>		

### 摘要(译)

通过构建多层压电组件将换能器调谐到所需的阻抗，每一层都充当并联电容器。压电层优选地通过在压电基板周围镀覆或以其他方式放置导电周界来构造。通过切割或以其他方式在导电层中适当地形成间隙，以在每一层上形成不同的导电区域。然后适当地放置压电层，使得每层上的正导电区和负导电区接触其他层上的正区和负区。层合适地通过环氧树脂或通过任何其他结合技术结合。

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (INT.CI.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 3 281 612 A (HÄGSECK RUDOLF A) 23 October 1966 (1966-10-25) * the whole document	1-47	H01L41/04
X	US 3 390 287 A (CONRAD SONDEREGGER HANS) 25 June 1968 (1968-06-25) * column 3, line 14 - line 37; figures 4,5	1-47	
		-----	
			TECHNICAL FIELD SEARCHED (INT.CI.)
			B06B
<p>The supplementary search report has been based on the last European search report and available at the last European search office.</p> <p>Power of attorney</p> <p>The Hague</p> <p>Date of completion of the search: 4 November 2004</p> <p>Searcher: Swartjes, H</p> <p>CATEGORY OF CITED DOCUMENTS</p> <p>✓ particularly relevant if taken alone ✓ particularly relevant if taken in combination with another document in the same patent family A: Technological background document D: Document concerning a method for the manufacture of an article P: Intermediate document</p> <p>T: theory or principle underlying the invention B: Document concerning a method or apparatus for carrying out the invention, or after the filing date C: Document concerning a subject-matter related to the application D: Document cited for other reasons E: Document concerning a method or apparatus for carrying out the invention, or after the filing date F: Document concerning a subject-matter related to the application G: Document concerning a method or apparatus for carrying out the invention, or after the filing date H: Document concerning a subject-matter related to the application</p>			