



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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	

			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B06B
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		4 November 2004	Swartjes, 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 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
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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	11-01-1965
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US 3390287	A	25-06-1968	CH 429228 A	31-01-1967
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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	EP1171919A4	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.		
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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	Espacenet		

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。

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Place of search The Hague		Date of completion of the search 4 November 2004	Searcher Swartjes, H
CATEGORY OF CITED DOCUMENTS			
X particularly relevant if taken alone Y particularly relevant if combined with another document of the same category A documents of the prior art B non-patent literature C non-written disclosures F intermediate document			
I. priority or principle underlying the invention II. other relevant documents, but published on, or D. document cited in the application L. document cited for other reasons * member of the same patent family, corresponding document			