



**SUPPLEMENTARY  
EUROPEAN SEARCH REPORT**

Application Number  
EP 03 71 7580

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	DE 197 42 294 A1 (ELSTER PRODUKTION GMBH [DE]) 1 April 1999 (1999-04-01) * column 1, line 62 - column 2, line 10 * * column 3, line 4 - line 66; figures 1-4 * -----	1-8	INV. A61B8/00 H04R1/02 H04R17/00
X	US 5 550 790 A (VELAMOOR SESH [US] ET AL) 27 August 1996 (1996-08-27) * column 2, line 29 - column 3, line 43; figure 1 * -----	1,3-8	
			TECHNICAL FIELDS SEARCHED (IPC)
			A61B G01S H04R
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 <b>The Hague</b>		Date of completion of the search <b>10 November 2008</b>	Examiner <b>Juárez Colera, M</b>
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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  .....  &amp; : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.82 (P04C04)

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

10-11-2008

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 19742294	A1	01-04-1999	NONE
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US 5550790	A	27-08-1996	NONE
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专利名称(译)	超声波探头		
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申请(专利权)人(译)	松下电器产业有限公司.		
当前申请(专利权)人(译)	松下电器产业有限公司.		
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CPC分类号	A61B8/4281 A61B8/12 A61B8/445		
优先权	2002115355 2002-04-17 JP		
其他公开文献	EP1501331B1 EP1501331A1		
外部链接	<a href="#">Espacenet</a>		

#### 摘要(译)

一种超声波探头，包括用于发射和接收超声波的超声波元件；包围超声波元件的声窗；以及在声音窗口中充电的声音传播液体。在声窗的壁表面上提供能够抑制液体和气体渗透的阻挡层。作为阻挡层，可以使用选自聚对二甲苯层和金属层中的至少一种。