

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 15 83 0708

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 1 918 027 A1 (OLYMPUS MEDICAL SYSTEMS CORP [JP]) 7 May 2008 (2008-05-07) * abstract; figures 1-3, 21 * * paragraph [0001] * * paragraph [0015] * * paragraph [0017] - paragraph [0025] * * paragraph [0040] * -----	1-5	INV. A61B8/12 G01N29/24 H04R17/00 H04R31/00
			TECHNICAL FIELDS SEARCHED (IPC)
			A61B 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		Date of completion of the search	Examiner
Munich		20 February 2018	Molina Silvestre, A
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			

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20-02-2018

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1918027 A1	07-05-2008	EP 1918027 A1	07-05-2008
		JP 4294678 B2	15-07-2009
		JP 2008110060 A	15-05-2008
		US 2008200811 A1	21-08-2008

专利名称(译)	超声波观察装置和超声波观察装置的制造方法		
公开(公告)号	EP3165168A4	公开(公告)日	2018-04-11
申请号	EP2015830708	申请日	2015-04-22
[标]申请(专利权)人(译)	奥林巴斯株式会社		
申请(专利权)人(译)	OLYMPUS CORPORATION		
当前申请(专利权)人(译)	OLYMPUS CORPORATION		
[标]发明人	SATO SUNAO		
发明人	SATO, SUNAO		
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CPC分类号	B06B1/0611 A61B8/12 G01N29/24 H04R17/00 H04R31/00		
优先权	2014162807 2014-08-08 JP		
其他公开文献	EP3165168B1 EP3165168A1		
外部链接	Espacenet		

摘要(译)

一种超声波观察装置，包括：片材，包括：第一换能器34;第一换能器区域38;柱状部分37;薄膜部分，被配置为在排列方向C上连接第一换能器区域38中的多个第一上电极32和柱状部分37的第二表面37y;接合部分50构造在片材被圆化使得膜部分35变成外表面的状态下结合柱状部分37和第一换能器34b，并且第一换能器34b定位在第二端部分38b上第一换能器区域38和柱状部分37彼此连接。

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Category	Selection of documents with indications, where appropriate, of relevant passages	1-5	INT. A61B8/12 G01N29/24 H04R17/00 H04R31/00
A	EP 1 918 027 A1 (OLYMPUS MEDICAL SYSTEMS CORP. [JP]) 7 May 2008 (2008-05-07) * abstract; figures 1-3, C1 * * paragraph [0001] * * paragraph [0015] * * paragraph [0017] * paragraph [0025] * * paragraph [0040] * *****		
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	Munich	Date of completion of the search	20 February 2018
Examiner	Molina Silvestre, A		
1. Category of cited documents: 1.1. Category of cited documents: 1.2. Category of cited documents: 1.3. Category of cited documents: 1.4. Category of cited documents: 1.5. Category of cited documents: 1.6. Category of cited documents: 1.7. Category of cited documents: 1.8. Category of cited documents: 1.9. Category of cited documents: 1.10. Category of cited documents: 1.11. Category of cited documents: 1.12. Category of cited documents: 1.13. Category of cited documents: 1.14. Category of cited documents: 1.15. Category of cited documents: 1.16. Category of cited documents: 1.17. Category of cited documents: 1.18. Category of cited documents: 1.19. Category of cited documents: 1.20. Category of cited documents: 1.21. Category of cited documents: 1.22. Category of cited documents: 1.23. Category of cited documents: 1.24. Category of cited documents: 1.25. Category of cited documents: 1.26. Category of cited documents: 1.27. Category of cited documents: 1.28. Category of cited documents: 1.29. Category of cited documents: 1.30. Category of cited documents: 1.31. Category of cited documents: 1.32. Category of cited documents: 1.33. Category of cited documents: 1.34. Category of cited documents: 1.35. Category of cited documents: 1.36. Category of cited documents: 1.37. Category of cited documents: 1.38. Category of cited documents: 1.39. Category of cited documents: 1.40. Category of cited documents: 1.41. Category of cited documents: 1.42. Category of cited documents: 1.43. Category of cited documents: 1.44. Category of cited documents: 1.45. Category of cited documents: 1.46. Category of cited documents: 1.47. Category of cited documents: 1.48. Category of cited documents: 1.49. Category of cited documents: 1.50. Category of cited documents: 1.51. Category of cited documents: 1.52. Category of cited documents: 1.53. Category of cited documents: 1.54. Category of cited documents: 1.55. Category of cited documents: 1.56. Category of cited documents: 1.57. Category of cited documents: 1.58. Category of cited documents: 1.59. Category of cited documents: 1.60. Category of cited documents: 1.61. Category of cited documents: 1.62. Category of cited documents: 1.63. Category of cited documents: 1.64. Category of cited documents: 1.65. Category of cited documents: 1.66. Category of cited documents: 1.67. Category of cited documents: 1.68. Category of cited documents: 1.69. Category of cited documents: 1.70. Category of cited documents: 1.71. Category of cited documents: 1.72. Category of cited documents: 1.73. Category of cited documents: 1.74. Category of cited documents: 1.75. Category of cited documents: 1.76. Category of cited documents: 1.77. Category of cited documents: 1.78. Category of cited documents: 1.79. Category of cited documents: 1.80. Category of cited documents: 1.81. Category of cited documents: 1.82. Category of cited documents: 1.83. Category of cited documents: 1.84. Category of cited documents: 1.85. Category of cited documents: 1.86. Category of cited documents: 1.87. Category of cited documents: 1.88. Category of cited documents: 1.89. Category of cited documents: 1.90. Category of cited documents: 1.91. Category of cited documents: 1.92. Category of cited documents: 1.93. Category of cited documents: 1.94. Category of cited documents: 1.95. Category of cited documents: 1.96. Category of cited documents: 1.97. Category of cited documents: 1.98. Category of cited documents: 1.99. Category of cited documents: 2.00. Category of cited documents:			