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(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
09015579.7 / 2 201 905

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(54) **NON-CONTACT ELECTRODE BASKET CATHETERS WITH IRRIGATION**

(57) A catheter comprising an outer tubing housing, a plurality of splines (36) configured to deploy from a linear configuration to an expanded configuration, and flexible electronic circuitry extending along a length of the plurality of splines (36), wherein the flexible electronic circuitry is configured to conform to the shape of the splines (36) as the splines (36) are deployed.

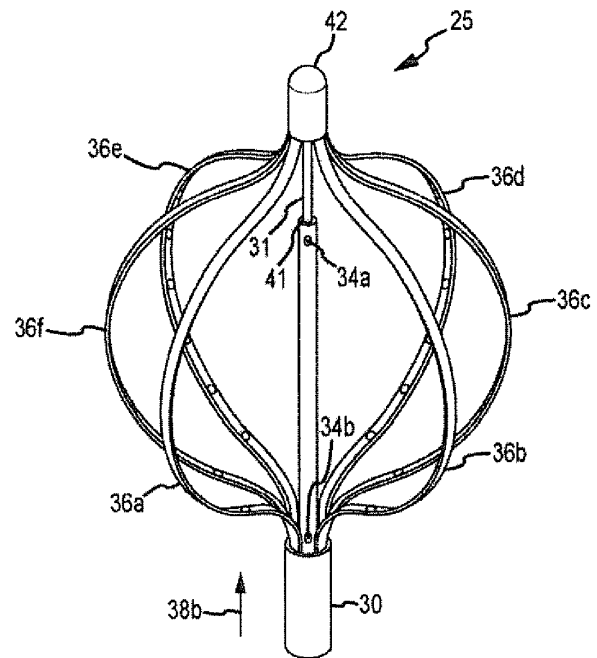


FIG.2b

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EUROPEAN SEARCH REPORT

Application Number
EP 17 19 4763

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	WO 2004/112629 A1 (CURON MEDICAL INC [US]) 29 December 2004 (2004-12-29) * page 10, line 28 - page 11, line 9; figures 1,8-11 * * page 34, lines 7-9 * * page 30, lines 6-11 * * page 33, line 33 - page 34, line 3 * * page 39, lines 7-13; figure 13 * * page 12, lines 1-13 * * page 28, lines 21-26; figure 2A * -----	4,5,7	INV. A61B18/14 A61B5/00 A61B5/042 A61B17/00 A61B90/00 ADD. A61B18/00
X	WO 94/07412 A1 (EP TECHNOLOGIES [US]) 14 April 1994 (1994-04-14)	1-3,6	TECHNICAL FIELDS SEARCHED (IPC) A61B A61N
Y	* the whole document *	4,5,7	
A	US 7 289 843 B2 (BEATTY GRAYDON E [US] ET AL) 30 October 2007 (2007-10-30) * column 1, lines 48-51; figures 2,3 * * column 3, lines 4-9 * * column 5, lines 21-32; figures 3-5 * * column 2, line 70 - column 3, line 9 * -----	1-7	
A	US 2007/083194 A1 (KUNIS CHRISTOPHER G [US] ET AL) 12 April 2007 (2007-04-12) * the whole document * -----	1-7	
----- -The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 14 March 2018	Examiner Lins, Stephanie
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			

EPO FORM 1503 03.02 (P04C01)



Application Number

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

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Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

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No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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see sheet B

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All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

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As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

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Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

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None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

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The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



LACK OF UNITY OF INVENTION
SHEET B

Application Number
EP 17 19 4763

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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1. claims: 1-7

Catheter system with flexible electronic circuitry extending along a plurality of splines.

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2. claims: 8-15

Catheter system including a fluid delivery tube.

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ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

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5 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.

14-03-2018

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 17 19 4763

5 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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14-03-2018

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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专利名称(译)	非接触式电极篮导管带灌溉		
公开(公告)号	EP3318211A3	公开(公告)日	2018-07-25
申请号	EP2017194763	申请日	2009-12-16
[标]申请(专利权)人(译)	圣犹达医疗用品电生理部门有限公司		
申请(专利权)人(译)	ST.犹达医疗用品, 房颤DIVISION, INC.		
当前申请(专利权)人(译)	ST.犹达医疗用品, 房颤DIVISION, INC.		
[标]发明人	TEGG TROY T STEHR RICHARD E		
发明人	TEGG, TROY T. STEHR, RICHARD E.		
IPC分类号	A61B18/14 A61B5/00 A61B5/042 A61B17/00 A61B90/00 A61B18/00		
CPC分类号	A61B18/1492 A61B2017/00867 A61B2018/00214 A61B2018/00642 A61B2018/00839 A61B2090/065 A61B2218/002 C08L2201/12 A61B5/042 A61B5/6858 A61B2018/00267 A61B2018/00351 A61B2018/00577		
优先权	12/345606 2008-12-29 US		
其他公开文献	EP3318211B1 EP3318211A2		
外部链接	Espacenet		

摘要(译)

一种导管, 包括外管壳体, 多个花键 (36), 其构造成从线性构型展开到扩张构型; 以及柔性电子电路, 沿着多个花键 (36) 的长度延伸, 其中柔性电子电路是当花键 (36) 展开时, 其配置成符合花键 (36) 的形状。

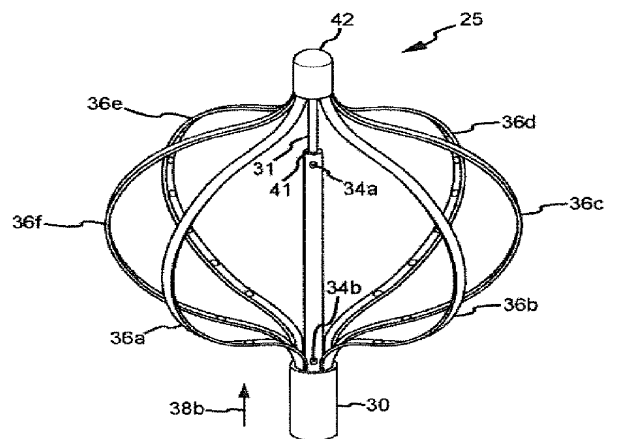


FIG. 2b