

**SUPPLEMENTARY  
 EUROPEAN SEARCH REPORT**

Application Number  
 EP 15 82 9756

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	EP 2 614 778 A2 (FUJIFILM CORP [JP]) 17 July 2013 (2013-07-17) * paragraphs [0050] - [0061]; figures * -----	1-5	INV. A61B10/04 A61B8/12 A61B1/005
Y	US 5 690 613 A (VERBEEK MAURICE T Y [NL]) 25 November 1997 (1997-11-25) * column 3, lines 7-13 * -----	1-5	
Y	US 2012/197119 A1 (TAKACHI HIDEO [JP]) 2 August 2012 (2012-08-02) * paragraphs [0036] - [0066]; figures 1-3 * -----	1-5	
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 (IPC) A61B
Place of search		Date of completion of the search	Examiner
Munich		23 March 2018	Küster, Gunilla
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 15 82 9756

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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23-03-2018

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专利名称(译)	超声波活检针		
公开(公告)号	<a href="#">EP3178404A4</a>	公开(公告)日	2018-05-02
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代理机构(译)	SCHICKER, SILVIA		
优先权	2014161577 2014-08-07 JP		
其他公开文献	EP3178404A1		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

一种超声波活检针，包括：穿过超声波内窥镜的通道插入的护套；针管穿过护套并能够在护套中前进和缩回；操作部分连接到护套的近端，并设置成使针管前进和后退。护套包括曲折抑制部分，当护套的远端定位在超声内窥镜的光学图像捕获机构的视野中时，该曲折抑制部分定位成比超声波内窥镜的弯曲部分的近端更靠近。曲折抑制部分由金属线圈形成，沟道内径与线圈外径的比值在1.0 : 0.66至1.0 : 0.84的范围内，线圈的初始张力等于或大于5.0 [N]。

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	EP 2 614 776 A2 (FUJIFILM CORP [JP]) 17 July 2013 (2013-07-17) * paragraphs [0050] - [0061]; figures *	1-5	INT. A61B10/04 A61B1/05 A61B1/005
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Y	US 2012/192119 A1 (TAKACHI HIDEO [JP]) 2 August 2012 (2012-08-02) * paragraphs [0036] - [0066]; figures 1-3	1-5	
<small>The JP3178404 search report has been filed on the file. The JP3178404 search report is available at the main office website.</small>			
<small>Category of cited documents: A: Internationally published patent documents of the same category as the application B: Internationally published patent documents of other categories C: Documents of the same category as the application D: Documents of other categories E: Non-patent literature F: Documents of the same category as the application G: Documents of other categories H: Documents of the same category as the application I: Documents of other categories</small>		<small>Country of origin of the cited document</small> Munich	<small>Date of publication of the cited document</small> 23 March 2018
<small>Applicant's name</small> Schicker, Silvia		<small>Applicant's name</small> Kuster, Gunilla	<small>Applicant's name</small> Kuster, Gunilla