

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 15 83 0145

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	
			TECHNICAL FIELDS SEARCHED (IPC)
			A61B
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 23 March 2018	Examiner 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 83 0145

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		
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CPC分类号	A61B1/00128 A61B1/0051 A61B1/018 A61B1/2676 A61B1/273 A61B8/0841 A61B8/12 A61B10/04 A61B2010/045 A61B1/00121 A61B1/00142		
代理机构(译)	SCHICKER , SILVIA		
优先权	2014161576 2014-08-07 JP		
其他公开文献	EP3178406A1		
外部链接	Espacenet		

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;一种针管,它穿过护套插入并能够在护套内前进和缩回;操作部分连接到护套的近端,并设置成使针管前进和后退。护套包括延伸限制部分,当护套的远端定位在超声波内窥镜的光学图像捕获机构的视野中时,延伸限制部分位于比超声波内窥镜的弯曲部分的近端更远的位置。延伸限制部分由金属线圈形成,通道内径与线圈外径的比值在1.0:0.84至1.0:0.96的范围内,线圈的初始张力等于或等于大于2.0 [N],并且由针管的向前和向后运动引起的护套的延伸受到限制。

	Supplementary European Search Report EP 15 83 0145	
	DOCUMENTS CONSIDERED TO BE RELEVANT	
Category	Citation of document with indication, where appropriate, of relevant passages.	Relevant to claim
Y	EP 2 614 778 A2 [RUZJILIM CORP {JP}] 17 July 2013 (2013-07-17) * paragraphs [0050] - [0061]; figures *	1-5
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Y	US 2012/197119 A1 [TAKACHI HIDEO {JP}] 2 August 2012 (2012-08-02) * paragraphs [0036] - [0066]; figures 1-3 * * * * *	1-5
		CLASSIFICATION OF THE APPLICATION (IPC)
		TECHNICAL FIELD OF THE INVENTION (IPC)
		A61B
The supplementary search report has been based on the last set of claims valid and available at the start of each search.		
U	Date of search	Examiner
	Munich 23 March 2018 Kuster, Gunilla	
CATEGORISATION OF OFFERS DOCUMENTS		
☒ particularly relevant # Items alone ☒ particularly relevant # Items taken in combination with another ☒ technologically relevant # Items alone ☒ technologically relevant # Items taken in combination with another ☐ none	☐ Group or groups containing the same matter as the prior art. ☐ Partially relevant documents, but published on, or after, the date of the application. ☐ Not relevant. ☐ Irrelevant of the same patent family, corresponding	