

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 14 86 9387

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	US 2012/172896 A1 (TAKAHASHI SHINJI [JP] ET AL) 5 July 2012 (2012-07-05) * paragraph [0105]; figures 6, 27 *	1-13	INV. A61B8/12 A61B1/00 A61B10/04 A61B17/00 A61B17/34 A61M25/00 A61M31/00
A	US 2005/267495 A1 (GINN RICHARD S [US] ET AL) 1 December 2005 (2005-12-01) * abstract; figures 1-6 *	1-13	
A	DE 10 2005 012574 A1 (BKH TECHNOTRANSFER GMBH [DE]) 21 September 2006 (2006-09-21) * abstract; figures 1-8b *	12,13	
A	US 2013/325038 A1 (SATO MASATOSHI [JP]) 5 December 2013 (2013-12-05) * abstract; figures 1, 2 *	1	
A	US 2013/172758 A1 (DE MARCHENA EDUARDO [US]) 4 July 2013 (2013-07-04) * abstract; figure 1 *	1,3	
A	US 6 419 621 B1 (SIOSHANSI PIRAN [US] ET AL) 16 July 2002 (2002-07-16) * abstract; figures 1-3 *	1,12,13	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 The Hague		Date of completion of the search 2 August 2017	Examiner Moers, Roelof
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.**

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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
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02-08-2017

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CPC分类号	A61B1/00098 A61B1/00179 A61B8/0841 A61B8/12 A61B8/4444 A61B17/3468 A61B17/3478 A61B2010/045 A61B2017/00331 A61B2017/0034 A61B2090/3908 A61B2090/3987 A61M25/0108 A61M2025/009 A61N2005/1025 A61B1/018 A61B1/06 A61B8/445		
优先权	2013257469 2013-12-12 JP		
其他公开文献	EP3081168B1 EP3081168A1		
外部链接	Espacenet		

摘要(译)

本发明提供一种超声波内窥镜用穿刺针，其特征在于，针管具有侧孔，该侧孔构成为在针管的比弯曲形状部分更远侧的管壁之间的一部分管壁被切断，管壁穿过包括弯曲形状部分的中心线的平面，管壁位于弯曲形状部分的弯曲的内侧，并且导线能够从侧孔输送；并且，在线被拉伸并装入针管的状态下，线的至少一部分位于弯曲形状部分。

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Category	Documents of interest with figures, where appropriate, of relevant passages.		
X	US 2012/172896 A1 (TAKAHASHI SHINJI [JP] ET AL) 5 July 2012 (2012-07-05) * paragraph 0105; figures 6, 27 *	1-13	INT. A61B8/12 A61B1/00 A61B10/04 A61B17/00 A61B17/34 A61M25/00 A61M31/00
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The JP3081168 search report has been drawn to the attention of the applicant.			
The Hague		2 August 2017	Moers, Roelof
CATEGORY OF CITED DOCUMENTS X: previously referred to in the application A: document of the same category with another international classification Y: document of the same category with another intermediate document E: document of interest, not in the application F: document of interest, not in the application G: document of interest, not in the application H: document of the same patent family, corresponding document			