

**SUPPLEMENTARY  
 EUROPEAN SEARCH REPORT**

Application Number  
 EP 14 84 7200

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 2012/165838 A1 (KOBYLEWSKI GARY MICHAEL [US] ET AL) 28 June 2012 (2012-06-28) * paragraph [0010] - paragraph [0012]; figures * * paragraph [0055] * -----	1-4	INV. A61B17/04 A61B17/062 A61B17/94
A	US 2013/158567 A1 (LEVIN OFEK [IL] ET AL) 20 June 2013 (2013-06-20) * paragraph [0067] * -----	1-15	
A	US 5 586 986 A (HINCHLIFFE PETER W J [US]) 24 December 1996 (1996-12-24) * the whole document * -----	1-15	
			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		Date of completion of the search	Examiner
Munich		31 July 2017	Held, Günter
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 14 84 7200

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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31-07-2017

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专利名称(译)	腹腔镜缝合装置，具有自动加载和缝线捕获功能		
公开(公告)号	<a href="#">EP3048994A4</a>	公开(公告)日	2017-09-06
申请号	EP2014847200	申请日	2014-09-26
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CPC分类号	A61B17/06166 A61B17/0469 A61B17/0482 A61B2017/0419 A61B2017/0427 A61B2017/0464 A61B2017/0472 A61B2017/06042 A61B2017/0608 A61B2017/06176		
代理机构(译)	柜PLASSERAUD		
优先权	61/882905 2013-09-26 US		
其他公开文献	EP3048994A1		
外部链接	<a href="#">Espacenet</a>		

### 摘要(译)

提供缝合装置。缝合装置可包括至少一个发射孔，驱动机构和自动加载机构。击发孔可以包括至少一个可旋转地设置在其中的针，该针被配置成接合缝合线以便展开。驱动机构可以可操作地连接到针并且构造在接合期间将针从缩回位置推进到伸出位置，并且在脱离期间将针从伸出位置缩回到缩回位置。自动加载机构可以可操作地连接到驱动机构，并且构造在驱动机构脱离期间可滑动地取回和定位缝合线以在展开孔上展开。

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2012/166838 A1 (KOBYLEWSKI GARY MICHAEL [US] ET AL) 28 June 2012 (2012-06-28) * paragraph [0010] - paragraph [0012]; * figures * * paragraph [0055] * ----- US 2013/158567 A1 (LEVIN OFEK [IL] ET AL) 20 June 2013 (2013-06-20) * paragraph [0067] * ----- US 5 586 986 A (HINCHLIFFE PETER W J [US]) 24 December 1996 (1996-12-24) * the whole document * -----	1-4 1-15 1-15	11B A61B17/04 A61B17/062 A61B17/94
TECHNICAL FIELD SEARCHED ** (IPC) A61B			
The Supplementary search report has been filed on the first prior art document.			
Munich		31 July 2017	Heid, Günter
CATEGORY OF CITED DOCUMENTS: X: Kindly referred to by claim; Y: Cited in the description; Z: Document of the same category; A: Document of a different category; B: Document of the same patent family, corresponding intermediate document			