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(54) **SYSTEMS AND TOOLS FOR CONNECTING TO TISSUE**

(57) Described are various embodiments of surgical procedure systems, devices, tools, and methods, useful for placing a soft tissue anchor at anatomical tissue; these may be useful for general surgical procedures, veterinary procedures, plastic surgery, and for treating pelvic con-

ditions such as vaginal prolapse, incontinence, and other conditions caused by muscle and ligament weakness, the devices and tools being useful for accessing a posterior region of pelvic anatomy, and related methods.

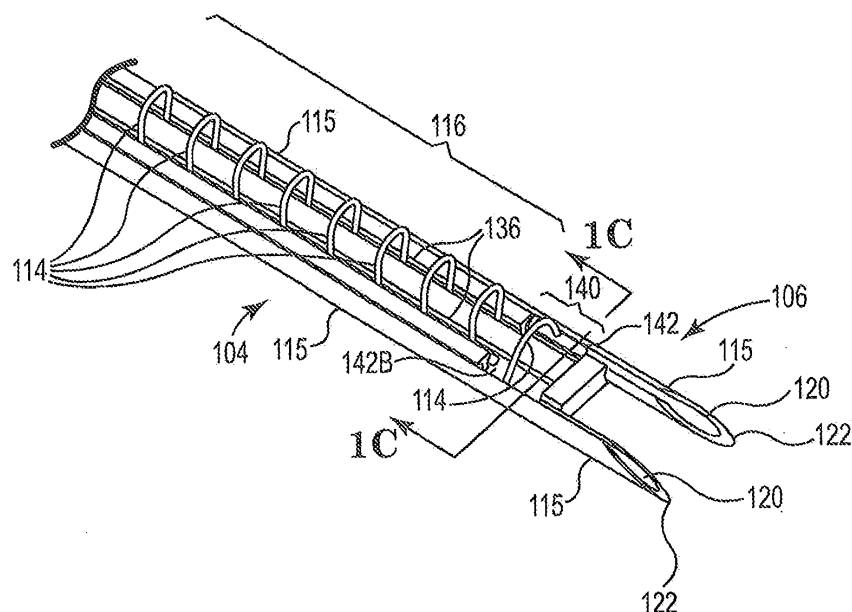


Fig. 1B



EUROPEAN SEARCH REPORT

 Application Number
 EP 19 16 1745

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EPO FORM 1503 03.82 (P04C01)

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2001/010005 A1 (KAMMERER GENE W [US] ET AL) 26 July 2001 (2001-07-26) * figures 1,5,11,11a *	1-11	INV. A61B17/064
X	US 2008/065120 A1 (ZANNIS ANTHONY D [US] ET AL) 13 March 2008 (2008-03-13) * paragraph [0084]; figures 8,1,2,3,27,24,9,36 * * paragraph [0083] * * paragraph [0076] *	1-4,7-10	
X	WO 95/19914 A1 (AVERY DENNISON CORP [US]; DESCHENES CHARLES L [US]; JONES TERENCE J [U]) 27 July 1995 (1995-07-27) * page 9, line 20 - line 23; figures 1,3,15 *	1-6,8-10	
X	US 3 948 128 A (RUSSELL DAVID B) 6 April 1976 (1976-04-06) * figures 3,10,14,9,10 *	1-4,8-11	
X	US 4 696 300 A (ANDERSON GARY [US]) 29 September 1987 (1987-09-29) * column 4; figure 8 *	12-14	TECHNICAL FIELDS SEARCHED (IPC) A61B
A	EP 0 508 452 A1 (UNITED STATES SURGICAL CORP [US]) 14 October 1992 (1992-10-14)	12-14	
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 25 September 2019	Examiner Hausmann, Alexander
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			



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.

☐ 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):

☐ 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.

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:

see sheet B

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

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

☐ 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:

☐ 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:

☐ 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

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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:

1. claims: 1-11

A tissue delivery device in combination with a soft tissue anchor according to claim 1, solving the problem of how to apply a soft tissue anchor into tissue.

2. claims: 12-14

A series of connected soft tissue anchors according to claim 12. The distal ends of the legs of the first soft tissue anchor are connected to the proximal ends of the legs of the second soft tissue anchor solving the problem of providing surgical tissue anchors that are more easily loadable into a surgical delivery device.

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

EP 19 16 1745

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.

25-09-2019

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EPO FORM P0459

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

专利名称(译)	连接到组织的系统和工具		
公开(公告)号	EP3520708A3	公开(公告)日	2019-10-30
申请号	EP2019161745	申请日	2013-07-23
[标]申请(专利权)人(译)	波士顿科学西美德公司		
申请(专利权)人(译)	BOSTON SCIENTIFIC SCIMED , INC.		
当前申请(专利权)人(译)	BOSTON SCIENTIFIC SCIMED , INC.		
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发明人	KHAMIS, CHAOUKI A. THORSON, MICAH D. VIKER, THOMAS O.		
IPC分类号	A61B17/064		
CPC分类号	A61B17/064 A61B17/068 A61B2017/00805 A61B2017/0419 A61B2017/0464 A61B2017/0472 A61B2017/0647 A61B17/12009 A61B17/12013 A61B17/3468 A61B17/42		
审查员(译)	HAUSMANN , ALEXANDER		
优先权	61/675050 2012-07-24 US 13/832319 2013-03-15 US PCT/US2013/051563 2013-07-23 WO		
其他公开文献	EP3520708A2		
外部链接	Espacenet		

摘要(译)

描述了用于将软组织锚固件放置在解剖组织上的外科手术程序系统，装置，工具和方法的各种实施例；这些可能对一般外科手术，兽医手术，整形手术以及治疗盆腔疾病（如阴道脱垂，失禁和其他由肌肉和韧带无力引起的疾病）有用，这些设备和工具可用于进入盆腔的后部区域解剖以及相关方法。

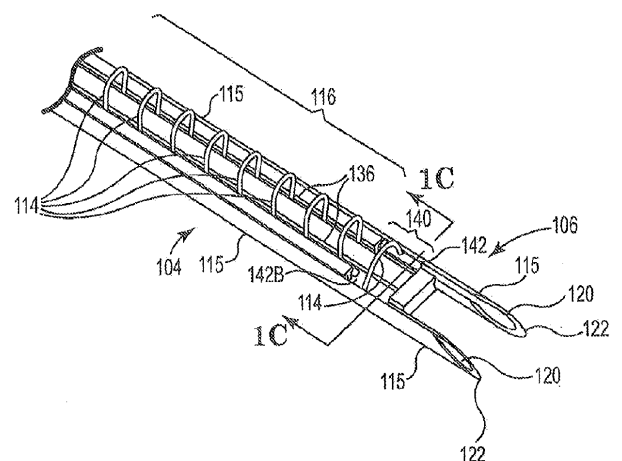


Fig. 1B