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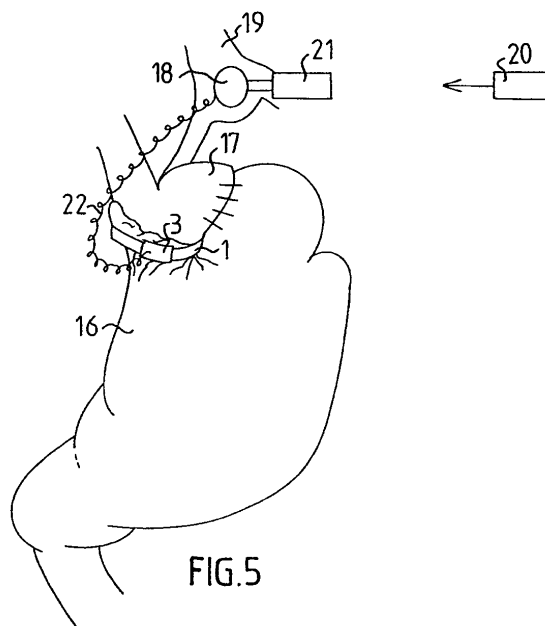
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(54) **Stoma opening forming apparatus with connection device**

(57) An apparatus for forming a stoma opening in the stomach or oesophagus of a patient includes an elongate adjustable constriction member (1) that extends in a loop around and constricts the stomach (16) or oesophagus to form the stoma opening therein. A connection device releasably connects the end portions (4,6) of the constriction member to each other and an adjustment device

(2) adjusts the longitudinal extension of the constriction member (1) in said loop to change the size of the stoma opening. The connection device includes a female part (7) and a male part (5) fitting into the female part to lock them together. The design of the connection device facilitates laparoscopic surgery for implanting the apparatus



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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	EP 1 036 545 A (MOSHE DUDAI [IL]) 20 September 2000 (2000-09-20)	1,4	INV. A61F5/00 A61B17/00
Y	* abstract; figure 3 *	2,3,5-8	
Y	----- US 4 558 699 A (BASHOUR SAMUEL B [US]) 17 December 1985 (1985-12-17)	2,3	
Y	* column 2, line 53 - line 63; figure 3 *	5-8	
A	----- WO 01/49245 A (IT MEDICAL AG [CH]; FORSELL PETER [CH]) 12 July 2001 (2001-07-12)	1	
A	* abstract *	1	
A	----- FR 2 802 406 A (RC MEDICAL [FR]) 22 June 2001 (2001-06-22)	1	TECHNICAL FIELDS SEARCHED (IPC) A61F A61B
A	* abstract *	1	

The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		27 March 2008	Sánchez y Sánchez, J
CATEGORY OF CITED DOCUMENTS		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	
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			

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

EP 06 07 6851

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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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1036545	A	20-09-2000	AT 315909 T	15-02-2006
			DE 60025548 T2	14-09-2006
			US 6676674 B1	13-01-2004

US 4558699	A	17-12-1985	NONE	

WO 0149245	A	12-07-2001	AU 774547 B2	01-07-2004
			AU 3070201 A	16-07-2001
			BR 0108180 A	21-01-2003
			CA 2396897 A1	12-07-2001
			CN 1525842 A	01-09-2004
			EP 1253882 A2	06-11-2002
			MX PA02007610 A	23-08-2004
			US 6470892 B1	29-10-2002

FR 2802406	A	22-06-2001	NONE	

FR 2797181	A	09-02-2001	AT 355806 T	15-03-2007
			AU 781349 B2	19-05-2005
			AU 6846800 A	05-03-2001
			BR 0013005 A	30-04-2002
			CA 2378980 A1	15-02-2001
			CN 1367670 A	04-09-2002
			DE 60033819 T2	08-11-2007
			EP 1198211 A1	24-04-2002
			ES 2283313 T3	01-11-2007
			WO 0110359 A1	15-02-2001
			HU 0203036 A2	28-12-2002
			IS 6259 A	04-02-2002
			JP 2003506146 T	18-02-2003
			MX PA02001227 A	10-09-2004
			NO 20020521 A	04-04-2002
			PL 353882 A1	01-12-2003
			ZA 200200790 A	29-01-2003

专利名称(译)	具有连接装置的造口开口形成装置		
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其他公开文献	EP1745765A2 EP1745765B1		
外部链接	Espacenet		

摘要(译)

一种用于在患者的胃或食道中形成造口开口的装置包括细长的可调节收缩构件(1)，所述细长可调节收缩构件(1)围绕并围绕胃(16)或食道收缩以在其中形成造口开口。连接装置可释放地将收缩构件的端部(4,6)彼此连接，并且调节装置(2)调节所述环中的收缩构件(1)的纵向延伸，以改变造口开口的尺寸，连接装置包括阴部分(7)和配合到阴部分中以将它们锁定在一起的阳部分(5)。连接装置的设计便于腹腔镜手术以植入装置

