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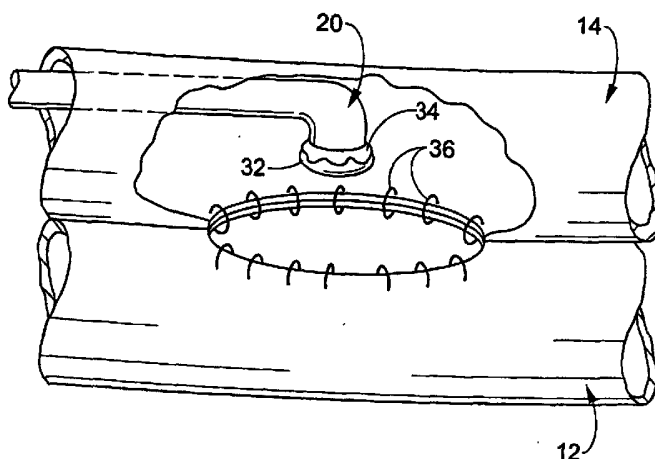
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- (21) International Application Number: PCT/US2003/002929 (74) Agent: **KLEIN, Richard, M.**; Fay, Sharpe, Fagan, Minnich & McKee LLP, 1100 Superior Avenue, Seventh Floor, Cleveland, OH 44114-2579 (US).
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ANASTOMOSIS DEVICE AND METHOD



(57) Abstract: An apparatus (30) for treating a heart includes a housing member (34) having a plurality of elongate channels (40) defined therein and is movable between a first collapsed position and a second expanded position. A tissue attachment member (36) is positioned in each channel. In one aspect, the apparatus is adapted for performing an anastomosis and includes a housing member (34) having a plurality of elongate channels (40) defined therein and which is movable between a first collapsed position and a second expanded position. A surgical clip (36) is positioned in each channel (40). A clip deployment mechanism (32) projects the clips from their respective housings and a registration member approximates and aligns the first and second tubular structures. Helical barbs (76) are movably affixed within sleeves (70) formed on a sheet of biocompatible material adapted for placement within a heart ventricle. Methods for treating a heart and reducing the volume of a heart ventricle are also provided. The helical barbs (76) provide attachment for patches for closure of a wound site or for suturing of a site needing closure. The helical barbs (76) provide an attachment regime for implantable devices, as well as a means to deliver medically efficacious materials to chosen sites with secure means. The helical device (76) further serves as a stent.



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A. CLASSIFICATION OF SUBJECT MATTER		
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According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 606/151-157; 606/213, 216, 219		
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,287,317 B1 (Makower et al.) 11 September 2001, see figs. 1-20 and 27-29.	1-7, 9-24
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:		
"A"	document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230		Authorized officer (Jackie) Tan-Uyen T. Ho <i>Diane Smith for</i> Telephone No. (703) 308-0858