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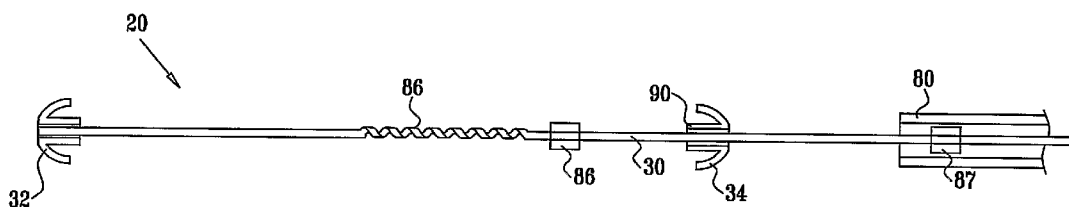
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(54) Title: MITRAL VALVE TREATMENT TECHNIQUES



(57) Abstract: Apparatus (20) is provided for treating mitral valve regurgitation, including a band (30) having distal and proximal ends, the band (30) adapted to be placed: around between 90 and 270 degrees of a mitral valve (58), including around at least a portion of a posterior cusp (56) of the valve (58), in a space defined by (a) a ventricular wall (70), (b) a ventricular surface of the posterior cusp (56) in a vicinity of an annulus (60) of the mitral valve (58), and (c) a plurality of third-order chordae tendineae (74). The apparatus (20) further includes distal and proximal coupling elements (32, 34), coupled to the band (30) at the distal and proximal ends thereof, respectively, and adapted to be coupled to a first chorda tendinea and a second chorda tendinea, respectively, each of the first and second chordae tendineae selected from the group consisting of: one of the plurality of third-order chordae tendineae (74), and a first-order chorda tendinea that inserts on a commissural cusp (78) of the mitral valve (58). Additional embodiments are also described.

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# INTERNATIONAL SEARCH REPORT

International application No.

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC: A61F 2/06( 2006.01)

USPC: 623/2.36

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. : 623/1.1-3.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/0233142 A1 (Morales et al) 18 December 2003 (18.12.2003), see entire document	1-135
A	US 6,786,924 B2 (Ryan et al) 07 September 2004 (07.09.2004), see entire document	1-135



Further documents are listed in the continuation of Box C.



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