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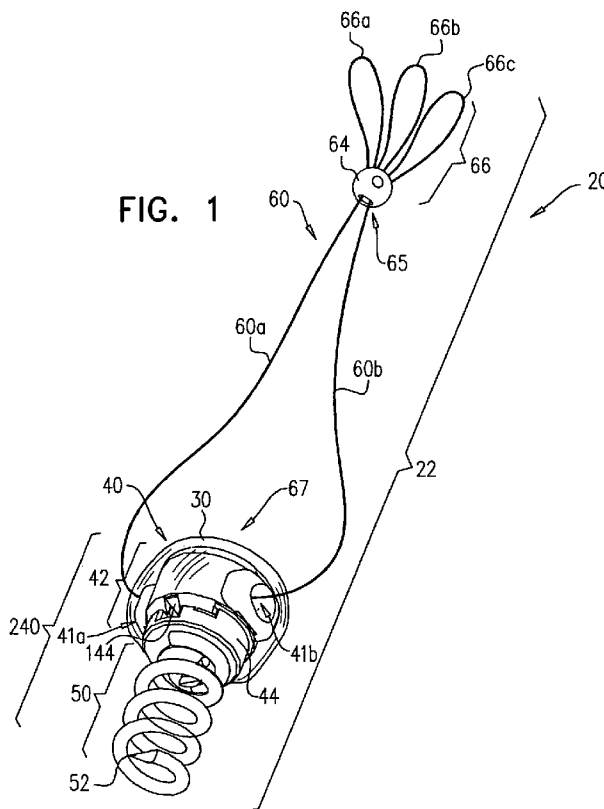
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(54) Title: ADJUSTABLE ARTIFICIAL CHORDEAE TENDINEAE WITH SUTURE LOOPS



(57) Abstract: Apparatus (20, 220) is provided, including an artificial-chordeae-tendineae-adjustment mechanism (40) and at least one primary artificial chordae tendinea (60) coupled at a distal portion thereof (67) to the artificial-chordeae-tendineae-adjustment mechanism (40). A degree of tension of the at least one primary artificial chordae tendinea (60) is adjustable by the artificial-chordeae-tendineae-adjustment mechanism (40). One or more loops (66) are coupled at a proximal portion (65) of the at least one primary artificial chordae tendinea (60). The one or more loops (66) are configured to facilitate suturing of the one or more loops (66) to respective portions of a leaflet of an atrioventricular valve of a patient. Other applications are also described.

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<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC(8) - A61F 2/24, 2/08 USPC - 623/2.11, 13.13, 13.2 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched IPC(8) - A61F 2/24, 2/08 USPC - 623/2.11, 13.13, 13.2, 2.37, 13.11; 623/2.\$, 13.\$ Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWEST (PGPB, USPT, EPAB, JPAB); Google (Patents, Scholar, Web) Search Terms: Chordae, tendinae, artificial prosthetic, implant, adjust, alter, tighten, tension, taut, force, mechanism, device, element, system, spool, wind, wound, unwind, unwound, lock, loop, suture, join, stitch, leaflet, valve, couple, coupling, bead, cinch, noose, knot, lu		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2009/0043153 A1 (ZOLLINGER et al.) 12 February 2009 (12.02.2009) Abstract; Fig. 1, 4A-4C, 7-8; Para [0007]-[0008], [0010], [0014], [0036], [0045]-[0048], [0052]-[0055]	1-17
Y	US 2007/0255397 A1 (RYAN et al.) 01 November 2007 (01.11.2007) Fig. 8A-8B; Para [0037]-[0040]	1-17
Y	US 2003/0105519 A1 (FASOL et al.) 05 June 2003 (05.06.2003) Fig. 3, 14A-14B; Para [0020], [0036], [0057]	7, 13-16
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