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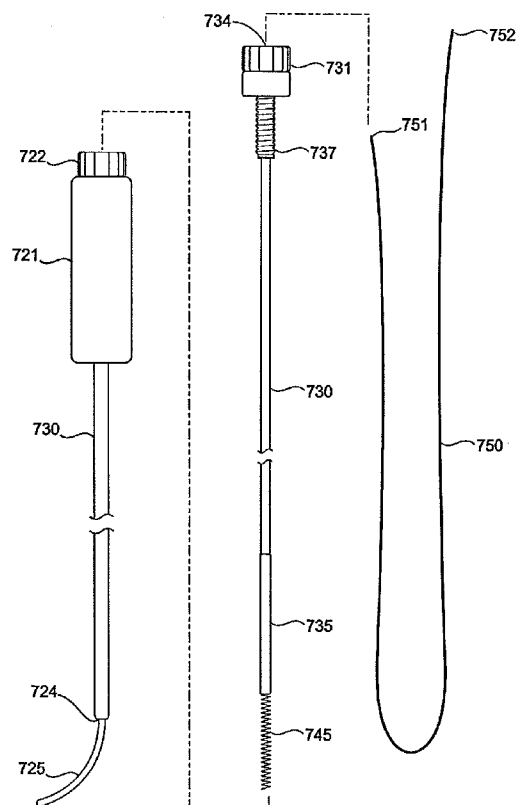
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(54) Title: ANNULOPLASTY DEVICE HAVING A HELICAL ANCHOR AND METHODS FOR ITS USE



(57) Abstract: A system for modifying a heart valve annulus includes a helically helical anchored annuloplasty device delivered to the annulus via an elongated delivery member (720). The helical anchors (745) of the devices disclosed herein are rotated into the valve annulus along an anchor guide (725) by using a driver (730) that is movably disposed in the delivery member. A tether (750) is disposed within an inner channel of the helical anchor and a locking device is used to secure the annuloplasty device after the valve annulus has been modified. The annuloplasty device can be delivered to the annulus using, traditional surgical approach or a minimally invasive or catheter based methods

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RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A61F

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 practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/105667 A2 (MITRAL INTERVENTIONS INC [US]; TREMULIS WILLIAM S [US]; RAZAVI MAHMOOD) 24 December 2003 (2003-12-24) page 19, lines 24-33; figure 69	39
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A	US 2004/153147 A1 (MATHIS MARK L [US]) 5 August 2004 (2004-08-05) paragraphs [0067] - [0078]; figures 5-11	1-44
A	WO 2004/045463 A (ADVANCED CARDIOVASCULAR SYSTEM [US]) 3 June 2004 (2004-06-03) the whole document	1-44
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2005/177180 A1 (KAGANOV ALAN L [US] ET AL) 11 August 2005 (2005-08-11) the whole document -----	39-44

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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