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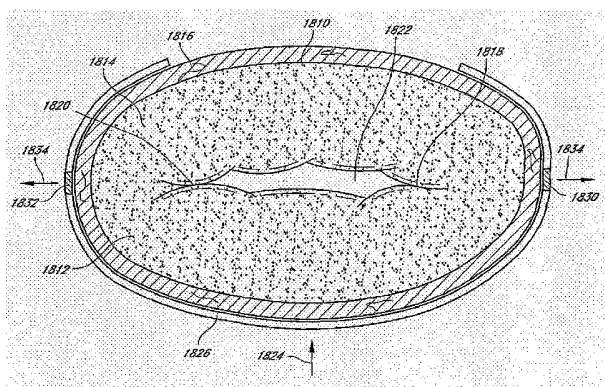
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ning of each regular issue of the PCT Gazette.

(54) Title: ADJUSTABLE CARDIAC VALVE IMPLANT WITH SELECTIVE DIMENSIONAL ADJUSTMENT



(57) Abstract: Methods and devices are provided for support of a body structure. The devices can be adjusted within the body of a patient in a minimally invasive or non-invasive manner such as by applying energy percutaneously or external to the patient's body. The energy may include, for example, acoustic energy, radio frequency energy, light energy and magnetic energy. Thus, as the body structure changes size and/or shape, the size and/or shape of the devices can be adjusted to provide continued reinforcement. In one embodiment, an annuloplasty ring (1826) includes an anterior portion, a posterior portion and two lateral portions corresponding to intersections of the anterior portion and the posterior portion. The annuloplasty ring (1826) has a first shape in a first configuration and a second shape in a second configuration and is configured to transform from the first configuration to the second configuration in response to an activation energy applied thereto. The transformation is configured to reduce a distance between the anterior portion and the posterior portion without substantially decreasing a distance between the two lateral portions.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC: A61F 2/24(2006.01)

 USPC: 623/2.36,2.37,2.41
 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)
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 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)
 East search terms: Annuloplasty, ring, memory

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | US 6,718,985 B2 (HLAYKA ET AL) 13 April 2004 (13.04.2004), figures 17a-17b. | 1-59 |
| X | US 2003/0199974 A1 (LEE ET AL) 23 October 2003 (23.10.2003), entire document. | 1-59 |
| X,P | US 2005/0065601 A1 (LEE ET AL) 24 March 2005 (24.03.2005), entire document. | 1-59 |

Further documents are listed in the continuation of Box C. See patent family annex.

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