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(54) Title: INTRA-ANNULAR MOUNTING FRAME FOR AORTIC VALVE REPAIR

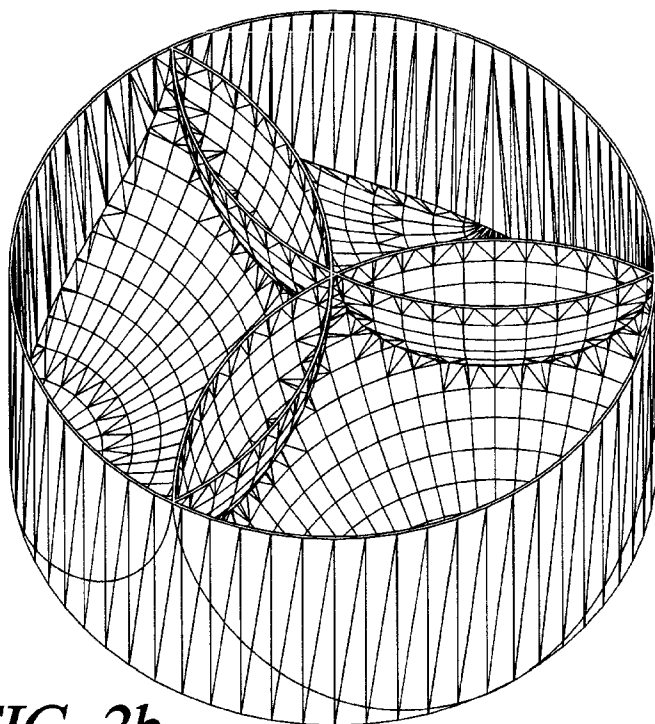


FIG. 2b

(57) Abstract: An intra-annular mounting frame (10) useful for, inter alia, restoring the geometry of a valve to achieve proper coaptation. Intra-annular hemispherical mounting frame (10) is inserted into the aortic valve annulus and provides for the reconstruction of the native aortic valve. Intra-annular hemispherical mounting frame (10) includes a plurality of curvatures (12) and also interconnecting points (14). Generally, curvature (12) conforms to the annular cusp geometry with interconnecting points (14) conforming to the geometry of the commissures. Curvatures (12) curve in about a first plane and a second plane of hemispherical mounting frame (10) to correspond to the three-dimensional geometry of the cusps of an aortic valve.

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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. : **623/2.1 7, 2.14, 2.18**Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONEElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	U S 6,767,362 B2 (Schreck) 27 July 2004 (27.07.2004), see Figs. 1-9, especially Figs. 5 and 6.	1-44

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Further documents are listed in the continuation of Box C.

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See patent family annex.

* Special categories of cited documents

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