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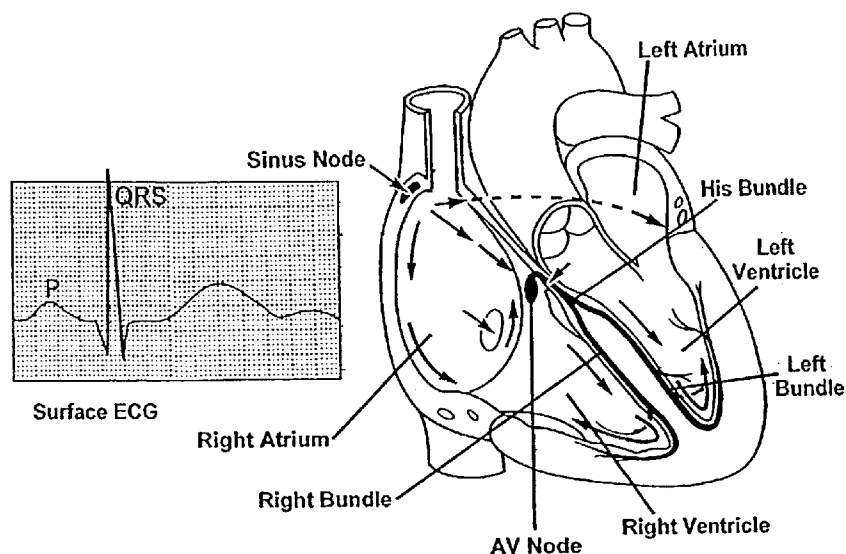
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(54) Title: CATHETER APPARATUS FOR TREATMENT OF HEART ARRHYTHMIA



(57) Abstract: A catheter apparatus is provided for use in the treatment of heart arrhythmia having a catheter shaft, a mapping and ablation catheter disposed within the shaft, and a control mechanism coupled to both the shaft and the catheter. The catheter shaft includes a main body and a coaxial tip section joined to the main body. The tip section can be rotated about a central axis and curved in a controlled manner. The mapping and ablation catheter can be extended outward to take the form of a pre-stressed curve. The control mechanism controls axial rotation of the tip section, the degree of deflection of the tip and longitudinal movement of the mapping and ablation catheter.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **A61B 18/18(2006.01)**

USPC: **606/41**
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 606/41,48-50; 607/101,102,122

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.
X --- Y	US 5,636,634 A (KORDIS et al) 10 June 1997, whole document, figures 4 and 5	1-5,9-11,13,14 ----- 12,15-32
Y	US 5,595,183 A (SWANSON et al) 21 January 1987, col. 19, lines 10-17	12,30,31
Y	US 6,226,542 B1 (REISFELD) 01 May 2001, whole document, Abstract	15-32

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