Title: VENTRICULAR RATE STABILIZATION

Abstract: Techniques for stabilizing the rate of a ventricle, during conducted atrial fibrillation for example, adjust the escape interval of an implantable medical device to increase or decrease the pacing rate. In some embodiments, the escape interval is adjusted to achieve and maintain a percentage of pacing. In other embodiments, the stability of the ventricular rate is quantified as a function of measured R-R intervals, and the escape interval is adjusted to achieve and maintain a level of stability. In still other embodiments, a mean compensatory pause length is determined, and the escape interval is adjusted as a function of the mean compensatory pause length, to maintain the escape interval at or near the mean compensatory pause length.

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For two-letter codes and other abbreviations, refer to the “Guidance Notes on Codes and Abbreviations” appearing at the beginning of each regular issue of the PCT Gazette.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7: A61N1/362

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)

IPC 7: A61N

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)

EPO-Internal, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
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<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<td>Y</td>
<td>WO 00/78390 A (MEDTRONIC, INC) 28 December 2000 (2000-12-28) page 2, line 7 - page 25, line 17</td>
<td>8-18, 32-39, 49-51, 57-59</td>
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Further documents are listed in the continuation of box C.

**X** Patent family members are listed in annex.

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Date of the actual completion of the international search: 20 September 2005

Date of mailing of the international search report: 29.09.05

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column 1, line 47 - column 9, line 48  
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| A        | US 2002/004671 A1 (BORNZIN GENE A ET AL)  
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