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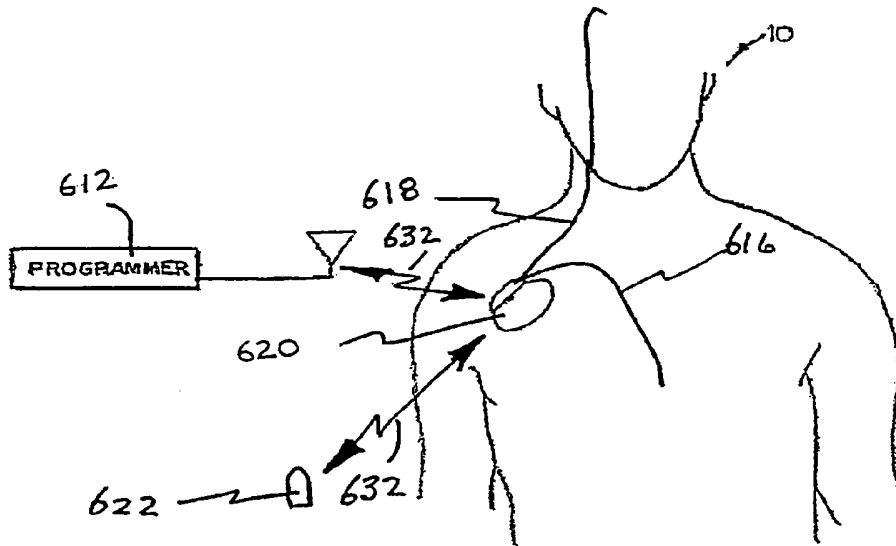
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- (71) **Applicant (for all designated States except US):**
MEDTRONIC, INC. [US/US]; 710 MEDTRONIC
PARKWAY NE, Lc 340, Minneapolis, Minnesota 55432
(US).
- (72) **Inventor; and**
- (75) **Inventor/Applicant (for US only):** DREW, Touby, A.
[US/US]; 1400 LAUREL AVENUE, Apt. W1102, Min-
neapolis, Minnesota 55403 (US).
- (74) **Agent:** PATEL, Binal, J.; BANNER & WITCOFF, LTD.,
10 SOUTH WACKER DRIVE, Suite 3000, Chicago, Illi-
nois 60606-7407 (US).

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(54) **Title:** TECHNIQUES FOR SELECTIVE CHANNEL PROCESSING AND DATA RETENTION IN AN IMPLANTABLE MEDICAL DEVICE



(57) **Abstract:** Methods and apparatus for storing data records associated with a medical monitoring event in a data structure [1600]. An implanted device [100] obtains data and stores the data in the data record in a first data structure [1601] that is age-based. Before an oldest data record is lost, the oldest data record may be stored in a second data structure [1603] that is priority index-based. The priority index may be determined by a severity level and may be further determined by associated factors. The implanted device [100] may organize, off-load, report, and/or display a plurality of data records based on an associated priority index. Additionally, the implanted device [100] may select a subset or composite of physiologic channels from the available physiologic channels based on a selection criterion.

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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

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
 INV. A61B5/00

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)
 A61B

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, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 645 068 A (MEZACK ET AL) 8 July 1997 (1997-07-08) column 10, line 11 - line 29; claim 1	1-6
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A	US 6 364 834 B1 (REUSS JAMES L ET AL) 2 April 2002 (2002-04-02) column 6, line 66 - column 8, line 7	1

Further documents are listed in the continuation of Box C.

See patent family annex.

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- *Z* document member of the same patent family

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Name and mailing address of the ISA/
 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer
 Hooper, M

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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