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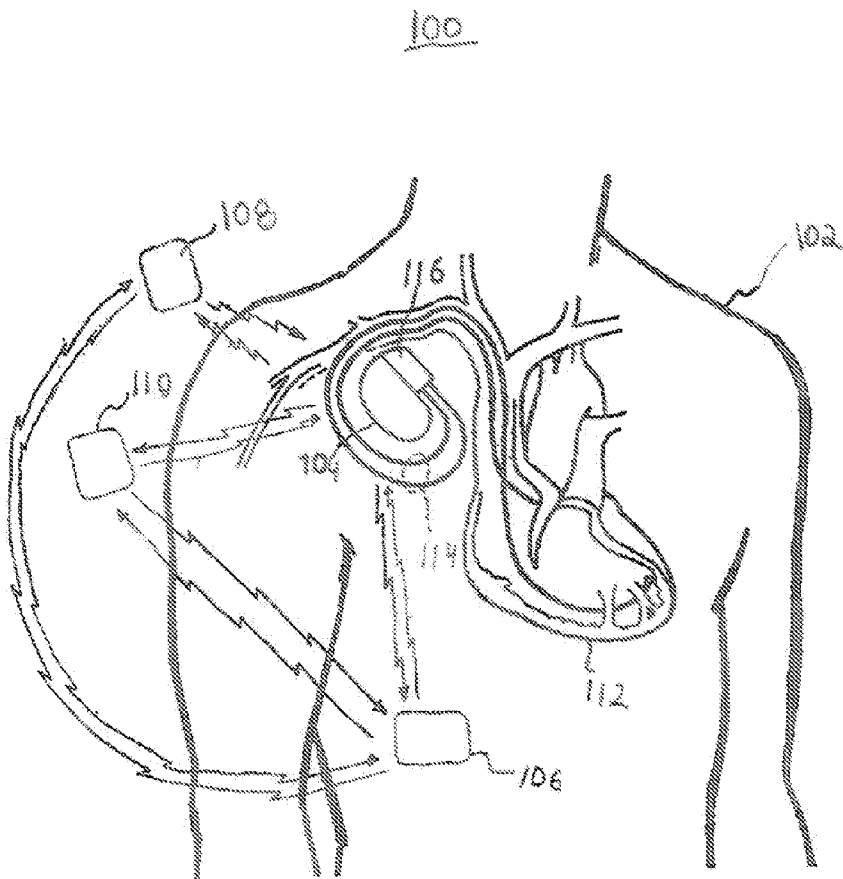
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- (71) Applicant (for all designated States except US):
MEDTRONIC, INC [US/US]; LC340, 710 Medtronic Parkway, Minneapolis, MN 55432 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HAUBRICH, Gregory John [US/US]; 11190 Hillsboro Ave No, Champlin, MN 55316 (US). MASOUD, Javaid [US/US]; 841 Tanglewood Drive, Shoreview, MN 55126 (US). DUDDING, Charles H. [US/US]; 685 River Birch Place, Lino Lakes, MN 55014 (US).
- (74) Agent: CHAPIK, Daniel G.; MS LC340, 710 Medtronic Parkway, Minneapolis, MN 55432, (US).
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(54) Title: VARIABLE IMPLANTABLE MEDICAL DEVICE POWER CHARACTERISTICS BASED UPON DATA OR DEVICE TYPE



(57) Abstract: An implantable medical device ("IMD") as described herein includes adjustable power characteristics such as variable transmitter output power and variable receiver front end gain. These power characteristics can be adjusted in a dynamic manner based upon various operating aspects of the intended or actual IMD telemetry environment. These operating aspects may include the external telemetry device type, the IMD device type, and/or the type, context, or meaning of the telemetry data transmitted by the IMD. The IMD may process information related to these operating aspects to generate power scaling instructions or control signals that are interpreted by the IMD transmitter and/or the IMD receiver. Such adjustability enables the IMD to satisfy minimum telemetry requirements in a manner that does not waste power, thus extending the IMD battery life.

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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)
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)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E, L	US 2007/255318 A1 (DUDGING CHARLES H [US] ET AL) 1 November 2007 (2007-11-01) paragraphs [0009], [0010], [0022] - [0024], [0036], [0050] - [0065]; figures 1-3, 5, 6 ----- -/--	1, 7, 8, 10-13, 20-22, 25, 27-31, 34, 36-39, 43-45, 49-51

Further documents are listed in the continuation of Box C.

See patent family annex.

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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

Fischer, Olivier

INTERNATIONAL SEARCH REPORT

Information on patent family members

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