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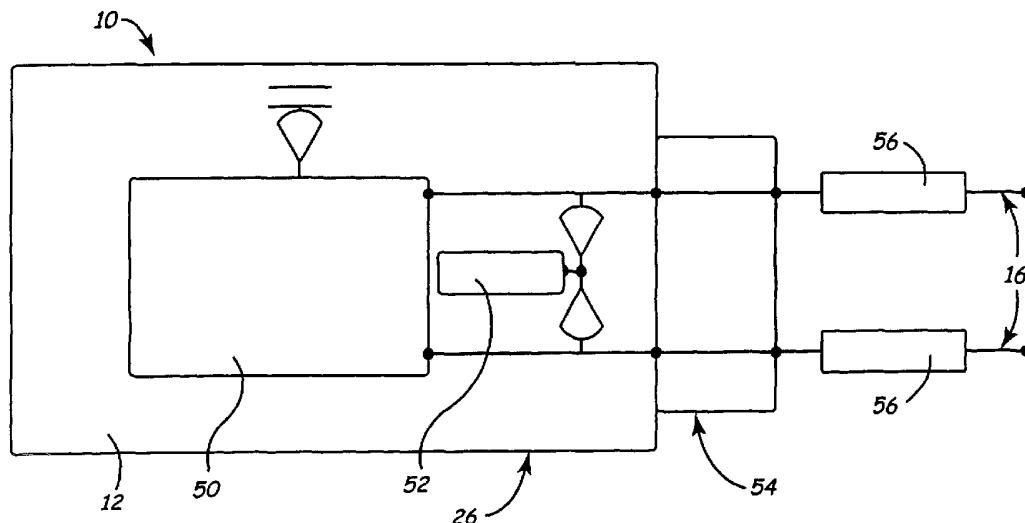
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR SHIELDING WIRE FOR MRI RESISTANT ELECTRODE SYSTEMS



(57) Abstract: The present invention discloses apparatus and methods for use with implantable medical system. In one embodiment a medical electrical lead is disclosed comprising an electrode wire and a shield wire adjacent to at least a portion of the electrode wire, the electrical lead is capable of insertion within a body and the shield wire is electrically separated from the electrode wire. In another embodiment of the invention a method of shielding a medical electrical lead is disclosed. The method comprises receiving electromagnetic energy within a shield wire that is adjacent at least a portion of the lead. The energy is dissipated into a living body, thus reducing the amount of electromagnetic energy received by the medical electrical lead.

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## INTERNATIONAL SEARCH REPORT

Internal | Application No

PCT/us 03/02260

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 A61N1/05 A61N1/08

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 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

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	EP 0 876 826 A (PACESETTER AB) 11 November 1998 (1998-11-11) the whole document	1,2,9,19  3-5,7, 10,11, 20,22
X A	US 5 476 495 A (KORDIS THOMAS F ET AL) 19 December 1995 (1995-12-19) column 1, line 59 -column 2, line 17 column 13, line 30 - line 55; figures 31-38	1,10-12, 19  2,4,8,9, 13,21

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

8 September 2003

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## INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 217 010 A (HALPERIN HENRY ET AL) 8 June 1993 (1993-06-08) cited in the application column 9, line 41 - line 48 column 10, line 6 - line 37 column 12, line 3 - line 14; figures 4,6,8,9,17 -----	1-3,5, 10,13,19
A	US 4 320 763 A (MONEY DAVID) 23 March 1982 (1982-03-23) column 2, line 10 - line 43; figures -----	1,10,19

# INTERNATIONAL SEARCH REPORT

Intel International application No.  
PCT/US 03/02260

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: 15-18  
because they relate to subject matter not required to be searched by this Authority, namely:  
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy
2.  Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat	Application No
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