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[Continued on next page]

(54) Title: APPARATUS FOR LEAD LENGTH DETERMINATION

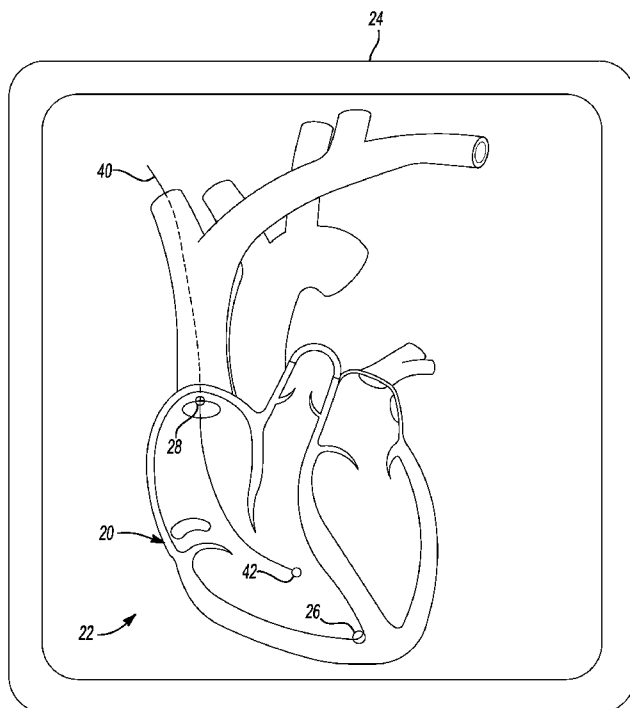


Fig-1

(57) Abstract: An apparatus for positioning a lead within an anatomy is disclosed. The apparatus can be tracked relative to the anatomy to determine the position of selected portions of the anatomy. The positions of the portions of the anatomy can be used in determining an appropriate lead length to be positioned within the anatomy. Additionally, a determination of a lead length can be based upon statistical or acquired data of a selected population, according to an appropriate method.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. A61B5/06 A61N1/05

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 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, 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	EP 1 504 713 A1 (SURGICAL NAVIGATION TECH [US]) 9 February 2005 (2005-02-09) abstract; figures 1-23 columns 14-28 columns 70-108	1-9
X	US 5 297 549 A (BEATTY GRAYDON E [US] ET AL) 29 March 1994 (1994-03-29) abstract; figures 1-4B columns 2-8	1-9
A	US 2002/049375 A1 (STROMMER GERA M [IL] ET AL) 25 April 2002 (2002-04-25) abstract; figures 1-18 paragraphs [0030] - [0045] paragraphs [0092] - [0253]	1-9
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family 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
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *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

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- * & * document member of the same patent family

Date of the actual completion of the international search

14 January 2010

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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 2004/254437 A1 (HAUCK JOHN A [US] ET AL) 16 December 2004 (2004-12-16) figures 1-4, 9-12 paragraphs [0006] - [0020] paragraphs [0035] - [0100] -----	1-9

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 10-20

1.1 Claims 10-20 relate to subject-matter considered by this Authority to be covered by the provisions of Rule 39.1(iv) PCT. Consequently, no opinion will be formulated with respect to the industrial applicability of the subject-matter of these claims. 1.2 Claims 10-20 have not been searched, because they deal with methods of electromagnetic treatment (Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery).

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/051223

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 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.: 10-20
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210
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 No. III Observations where unity of invention is lacking (Continuation of item 3 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 fees, this Authority did not invite payment of additional fees.
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 and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2009/051223

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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US 2004254437	A1	16-12-2004	NONE	