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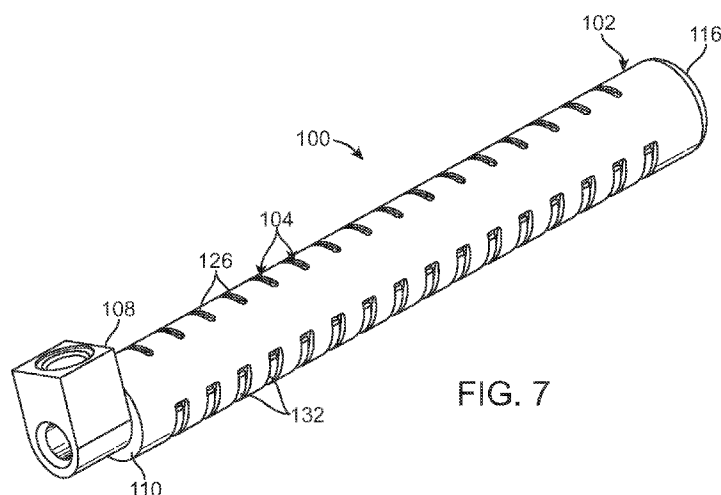


FIG. 7

(57) Abstract: An implantable connector comprises an electrically insulative housing including an outer wall, an interior cavity surrounded by the outer wall, a port through which the lead body portion can be introduced into the interior cavity, and a pair of first apertures disposed through the outer wall on a first side of the housing. The connector further comprises an electrical spring clip contact mounted to the housing. The contact includes a common portion and a pair of legs extending from opposite ends of the common portion. The legs respectively extend through the first apertures into the interior cavity, such that the legs firmly engage the electrical terminal therebetween when the lead body portion is introduced into the interior cavity.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2009/040563

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61N1/375 A61N1/04 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)
A61N H01R

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/027326 A1 (RIES ANDREW J [US] ET AL) 3 February 2005 (2005-02-03) abstract; figures 2,8A,8B,12	1,3-5, 12-16,20
Y	paragraphs [0037], [0044] - [0046], [0051], [0057]	2,10,18
Y	US 2004/230268 A1 (HUFF ERIC W [US] ET AL) 18 November 2004 (2004-11-18) abstract; figures 3A,15	2,10,18
A	US 2005/027327 A1 (RIES ANDREW J [US] ET AL) 3 February 2005 (2005-02-03) abstract; figure 2	1-10, 12-18,20
A	US 2002/143376 A1 (CHINN KENNY K [US] ET AL) 3 October 2002 (2002-10-03) abstract; figures 9A,9B,10 paragraphs [0095] - [0097]	1-10, 12-18,20

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

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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

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04/12/2009

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/040563

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.:
because they relate to subject matter not required to be searched by this Authority, namely:
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:

see additional sheet

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.:

1-10, 12-18, 20

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10, 12-18, 20

Multipolar lead connector with contact legs extending from the interior cavity through additional openings.

2. claims: 1, 11, 16, 19

Multipolar lead connector with tubular seal that has pairs of apertures for introducing contact legs therethrough.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2009/040563

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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