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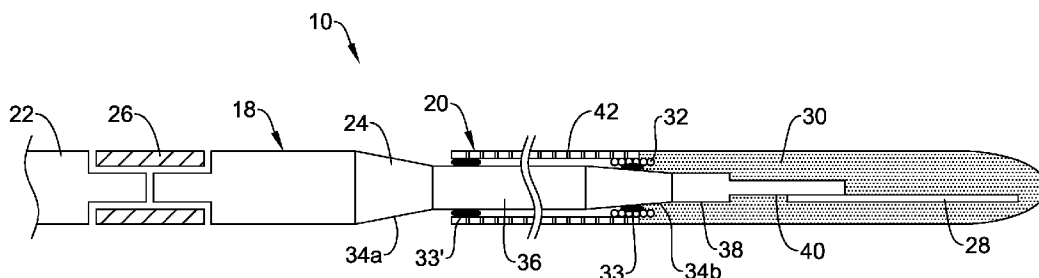
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(54) Title: CROSSING GUIDEWIRE



(57) Abstract: Medical devices and methods for manufacturing and using medical devices. An example medical device includes a core member, a tubular member coupled to the core member, and a tip member coupled to the tubular member. The tubular member may have a plurality of slots formed therein. The tip member may include a polymeric material. An intermediate member may be disposed between the tubular member and the core member that aids the bonding of the tip member thereto.



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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/078413

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61M25/00

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)
A61M

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.
A	EP 0 747 089 A (JOHNSON & JOHNSON MEDICAL [US]) 11 December 1996 (1996-12-11) abstract; figures 1,2	1-5, 16-24
A	EP 0 521 595 A (LUNDQUIST INGEMAR H [US]) 7 January 1993 (1993-01-07) abstract; figure 9	1-5, 16-24
A	EP 0 498 476 A (CORDIS EUROP [NL]) 12 August 1992 (1992-08-12) abstract; figure 2	1-5, 16-24
A	WO 94/06500 A (TARGET THERAPEUTICS INC [US]) 31 March 1994 (1994-03-31) abstract; figure 1	1-5, 16-24
A	US 5 683 370 A (LUTHER RONALD B [US] ET AL) 4 November 1997 (1997-11-04) abstract; figure 8	1-5, 16-24

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

- *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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11/07/2008

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INTERNATIONAL SEARCH REPORT

International application No.
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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 allsearchable 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.:

see additional sheet(s)

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: 1-5,16-24

Medical device and method of its manufacturing comprising a intermediate member.

Technical problem to resolve: To bond a tip member to a tubular member.

2. claims: 6-15,25

Medical device and method of its manufacturing comprising a tubular member having first and second outer diameter.

Technical problem to resolve: To produce an even or uniform outer diameter across the transition between tubular member and tip member.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/078413

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