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(54) Title: INTRAVENOUS CATHETER INSERTION AND BLOOD SAMPLE DEVICES AND METHOD OF USE

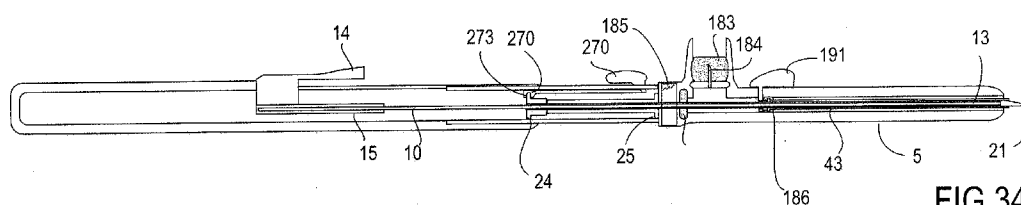


FIG 34

(57) Abstract: Devices and methods for guidewire assisted placement of catheters into blood vessels are described. Some of the devices and methods relate to automated or partially automated or assisted insertion and placement of an intravenous catheter into a vein or artery of a patient. Other of the devices are blood draw devices and methods for insertion and placement of an intravenous device into a vein or artery of a patient or to withdraw a blood sample from the patient. The devices also provide for guide wire tip inspection after use.



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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2008/062954

A. CLASSIFICATION OF SUBJECT MATTER

INV. A61M25/06

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.
P, X	US 2007/244438 A1 (PEREZ JAMES GERARD [US]) 18 October 2007 (2007-10-18) paragraph [0024] - paragraph [0034] paragraphs [0049], [0053], [0059] figure 1A	36, 52, 57, 73
A	EP 0 832 663 A (BECTON DICKINSON CO [US] BECTON DICKINSON CO) 1 April 1998 (1998-04-01) column 5, line 45 - column 6, line 23 column 3, line 24 - column 4, line 46 figures 1, 3	36-74
A	WO 02/066093 A (SERPOMED LTD [IL]; POPOV SERGEY [IL]) 29 August 2002 (2002-08-29) page 5 - page 6 page 10 figures 3, 6	36-74
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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
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- *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

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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 5 366 441 A (CRAWFORD MARK A [US]) 22 November 1994 (1994-11-22) column 1, line 34 - line 61 figures 1,2 -----	36-74
A	US 4 772 264 A (CRAGG ANDREW H [US]) 20 September 1988 (1988-09-20) column 2, line 3 - line 15 column 5, line 1 - line 4 figures 1,2 -----	36-74

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2008/062954

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.: 1-35, 98-106
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 surgery
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 annex

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: 36-74

An intravenous catheter insertion device comprising a housing, an access needle, an intravenous catheter and a guide wire.

2. claims: 75-97

An intravenous catheter insertion device for drawing blood, comprising a housing, a seal within the housing, an access needle and a guidewire.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2008/062954

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