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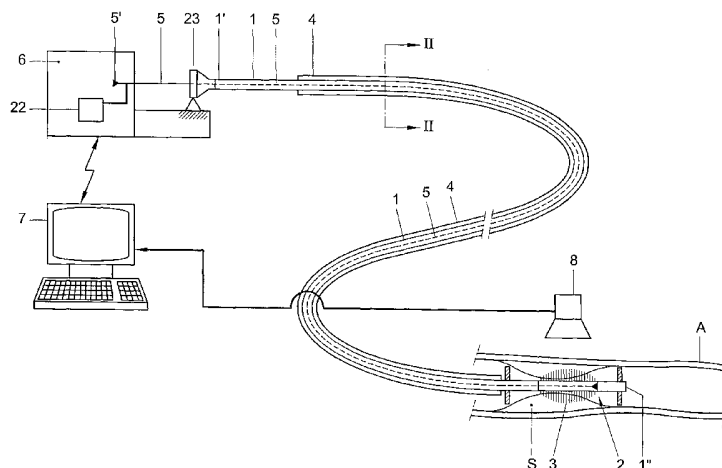
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(54) Title: CATHETER AND METHOD FOR USE OF SUCH A CATHETER FOR REMOVING A STENOSIS FROM A VESSEL



(57) Abstract: A catheter provided with a shaft having a proximal and distal end, and provided with a stenosis-removing part located near the distal end of the shaft, wherein the stenosis-removing part can be brought into a first position and a second position, wherein, in a first position, the stenosis removing part extends substantially inside the circumferential contours of the shaft, wherein, in a second position, the stenosis-removing part extends outside the circumferential contours of the shaft, so that a radial outside of the stenosis removing part is at a greater radial distance from the center line of the shaft than in the first position, wherein an actuator assembly is provided for making the stenosis-removing part vibrate at a high frequency. The stenosis-removing part can be provided with hairs or may comprise a gauze shaped member of which the distal part has a finer mesh than the proximal part for filtering purposes.



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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.

INTERNATIONAL SEARCH REPORT

Intern: I Application No
PCT/NL2005/000214

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61B17/22

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 A61B 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, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 5 882 329 A (WILLIAMS G RONALD ET AL) 16 March 1999 (1999-03-16) column 10, lines 11-21 column 12, line 43 - column 14, line 31 column 15, line 65 - column 16, line 42; figures	1,2,6-9, 11-13, 19-22, 25-27
X	EP 0 635 242 A (MICRO THERAPEUTICS INC) 25 January 1995 (1995-01-25) column 5, line 22 - column 6, line 28; figures	1,2,7, 21,25,26
X	US 5 895 400 A (ABELA GEORGE S) 20 April 1999 (1999-04-20) abstract; figures	1,2,7, 21,25
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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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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 030 397 A (MONETTI RICHARD R ET AL) 29 February 2000 (2000-02-29) abstract; figures -----	1,2,7, 21,25
A	US 5 451 220 A (CIERVO DONALD J) 19 September 1995 (1995-09-19) abstract; figures -----	1,21

INTERNATIONAL SEARCH REPORT

In international application No.
PCT/NL2005/000214

Box 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.: 43-52
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 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 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

Intern Application No
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