Abstract: The present invention provides a balloon catheter system comprising one or more conduits (10) to which are attached a compliant balloon (12) having a non-helical shape in its deflated state, wherein said balloon is constructed such that it is capable of adopting a spiral or helical conformation upon inflation. In addition, the present invention also provides methods for using said balloon catheter system.
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.
A. CLASSIFICATION OF SUBJECT MATTER
INV. A61M25/10 A61M29/02

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

<table>
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<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<td>A</td>
<td>the whole document</td>
<td>4-6</td>
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</table>

* 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.

Further documents are listed in the continuation of Box C. See patent family annex.

Date of the actual completion of the international search 12 November 2008

Date of mailing of the international search report 08/12/2008

Name and mailing address of the ISA/
European Patent Office, P.B. 5818 Patentlaan 2, NL - 2280 HV Rijswijk, Tel (+31-70) 340-2040, Fax (+31-70) 340-3016

Authorized officer Rodrigues, Elodie

Form PCT/ISA/210 (second sheet) (April 2005)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. X Claims Nos.: 7-10
   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. The methods for removing particulate matter from a body passage described in claims 7-10 comprise the step of introducing a catheter into a peripheral blood vessel. These methods are thus surgical methods.

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).

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.
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