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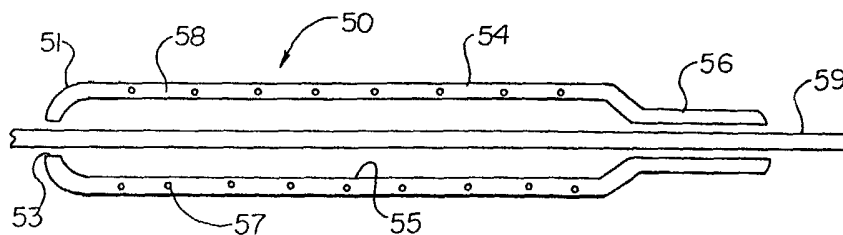
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(54) Title: SYSTEMS AND METHODS FOR VASCULAR FILTER RETRIEVAL



(57) Abstract: Apparatus and methods for retrieving a vascular filter from vessel from a vessel are provided wherein a retrieval adapter is delivered to a treatment site concurrently along with an interventiona ldevice to reduce the number of steps required to remove the vascular filter. The retrieval adapter also reduces the possibility of entangling the vascular filter with a stent disposed within the vessel during removal of the vascular filter. A separate retrieval catheter is also described for use in conjunction with the retrieval adapter.



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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 02/01306

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61F2/01

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 A61F

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.
P,X	WO 01 12082 A (GILSON PAUL ;SALVIAC LTD (IE); GRIFFIN PATRICK (IE); VALE DAVID (I) 22 February 2001 (2001-02-22) page 10, line 12 -page 18, line 10	1-7, 11-16
A	---	21
E	EP 1 179 321 A (CORDIS CORP) 13 February 2002 (2002-02-13) paragraph '0027! paragraph '0037! - paragraph '0052! paragraph '0060! - paragraph '0062! paragraph '0067! - paragraph '0076! --- -/--	1,2,5,6, 9-13,16, 17, 20-23, 25,26

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
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 25 September 2002	Date of mailing of the international search report 02/10/2002
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Mary, C
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INTERNATIONAL SEARCH REPORT

International Application No
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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.
E	US 2002/042626 A1 (DUSBABEK ANDREW J ET AL) 11 April 2002 (2002-04-11) paragraph '0049! - paragraph '0056! paragraph '0066! - paragraph '0067! paragraph '0076! - paragraph '0082! paragraph '0089! - paragraph '0125! ---	1, 2, 5-7, 9, 11-13, 16, 17, 19
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A	WO 00 16845 A (SCIMED LIFE SYSTEMS INC) 30 March 2000 (2000-03-30) page 6, line 10 - page 7, line 16 ---	1-26
P,A	US 6 217 600 B1 (DIMATTEO KRISTIAN) 17 April 2001 (2001-04-17) figures 5-8 column 5, line 35 - column 7, line 14 -----	1-26

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 02/01306

Box I Observations where certain claims were found unsearchable (Continuation of item 1 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.: 27-30
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 II Observations where unity of invention is lacking (Continuation of item 2 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

Information on patent family members

International Application No

PCT/US 02/01306

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