(57) Abstract: The filter (10) is composed of two portions. A first portion is a set of zig-zag struts (14) arranged in a cylindrical fashion which fit against the wall of the vascular lumen and provide a base for positioning a filter portion. A filter portion is a set of struts (16). Each filtering strut (16) has its upstream end connected to the positioning portion at the vascular wall (12) and its downstream end held at a central position in the vascular lumen by a frangible connector (18) or cord (18). The central connector (18) has a center opening (26) to permit blood flow through the central opening (26). When the cord is cut, the resilient filter struts (16) flex radially outward against the vascular wall (12) in a parked condition to provide a non-filtered state without requiring removal of the filter (10) from the patient.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : A61M 29/00
US CL : 606/200
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)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base searched during the international search (name of data base and, where practicable, search terms used)
PLUS search performed which is an electronic comparison of the present specification against the US Patent database.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 6,241,746 B1 (BOSMA et al) 05 June 2001 (05.06.2001), see Figure 1 and column 2, line 49 to column 3, line 4.</td>
<td>1-6, 10-13, 15-19, 21, and 22</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

See patent family annex.

Date of the actual completion of the international search

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (703)305-3230

Date of mailing of the international search report

Authorized officer
Paul B. Prebilic

Telephone No. (703) 308-0858

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