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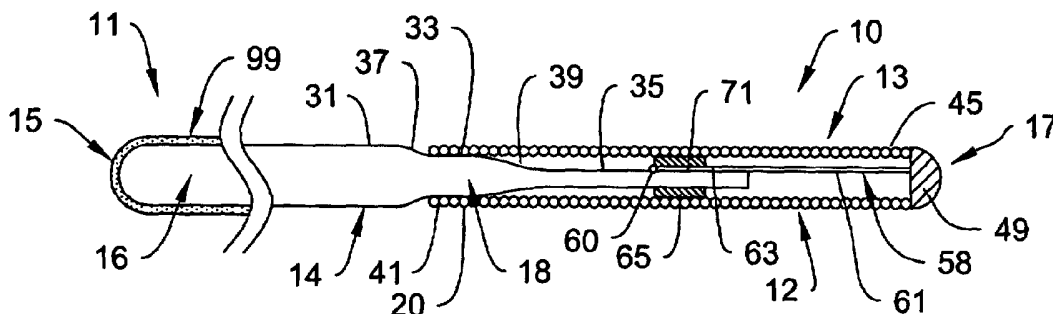
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8 December 2005

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.

(54) Title: ELONGATED MEDICAL DEVICE FOR INTRACORPORAL USE



(57) Abstract: An elongated core member (14) having defining an outer surface, and an elongated structure including a first portion and a second expanded portion along the length thereof can be provided. An attachment member (65), such as a centering ring, is disposed about a portion of the elongated core member and a part of the first portion of the elongated structure. Part of the first portion of the elongated structure is disposed between the inner surface of the attachment member and the outer surface of the elongated core member. A part of the second portion (58) of the elongated structure is in mechanical engagement with the inner surface of the attachment member and the outer surface of the elongated core member to provide a mechanical coupling of the elongated structure between the attachment member and the elongated core member.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/040400

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61M25/01 A61M25/00		
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 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.
X	US 5 275 173 A (SAMSON ET AL) 4 January 1994 (1994-01-04) the whole document	1-9, 12, 15, 18, 22-24, 30-42, 45, 46, 49
X	US 2003/028127 A1 (BALZUM BRIAN K ET AL) 6 February 2003 (2003-02-06)	2, 4-16, 18-21, 25-27, 30, 32-39, 42-53
A	paragraph [0043] - paragraph [0088]; figures 1-37 ----- -/--	1, 22, 31
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> 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 <p style="text-align: center; font-size: 1.2em;">13 April 2005</p>		Date of mailing of the international search report <p style="text-align: center; font-size: 1.2em;">20. 09. 2005</p>
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 <p style="text-align: center; font-size: 1.2em;">Jameson, P</p>

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/040400

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.:
because they relate to subject matter not required to be searched by this Authority, namely:

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:

see additional sheet

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.:

see annex

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

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: 1-27, 30 when the device is made using the methods of claims 1-27, 31-53

Methods of making a medical device and devices where the device comprises an elongated shaft, an elongated structure and means for mechanically coupling the elongated structure to the elongated shaft.

2. claims: 28-29, 30 when the device is made using the method of claims 28 or 29

The method of claims 1-27, further comprising the steps of producing a series of elongated structures and cutting the series into discrete elongated structures, and a device made using the method of claims 28 or 29.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/040400

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 2002/010426 A1 (CLAYMAN RALPH V ET AL) 24 January 2002 (2002-01-24)	2,4-8, 12-15, 17-20, 22,30, 32-38, 45,46, 48-50
A	the whole document -----	1,31
X	US 2003/105453 A1 (STEWART MARK T ET AL) 5 June 2003 (2003-06-05)	2,4-7, 14,15, 19,30, 32-37, 45,46,50
	paragraph [0025] - paragraph [0055]; figures 2a-12 -----	
X	EP 0 709 109 A (CARDIOMETRICS, INC) 1 May 1996 (1996-05-01)	2,14,15, 18,30, 32,33, 45,46,49
A	column 12, line 17 - column 15, line 37; figures 18-24 -----	1,31

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/040400

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5275173	A	04-01-1994	NONE
US 2003028127	A1	06-02-2003	NONE
US 2002010426	A1	24-01-2002	US 2004181175 A1 16-09-2004
US 2003105453	A1	05-06-2003	NONE
EP 0709109	A	01-05-1996	NONE