## (19) World Intellectual Property Organization

International Bureau



# 

### (43) International Publication Date 18 December 2008 (18.12.2008)

(10) International Publication Number WO 2008/154132 A3

(51) International Patent Classification:

 A61L 31/10 (2006.01)
 A61L 31/16 (2006.01)

 A61L 31/14 (2006.01)
 A61B 18/14 (2006.01)

(21) International Application Number:

PCT/US2008/064261

(22) International Filing Date:

20 May 2008 (20.05.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

11/810,627

5 June 2007 (05.06.2007)

US

- (71) Applicant (for all designated States except US): AB-BOTT CARDIOVASCULAR SYSTEMS INC. [US/US]; 3200 Lakeside Drive, Santa Clara, California 95054-2807 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): WANG, Yunbing [CN/US]; 1063 Morse Avenue, Apartment 20-304, Sunnyvale, California 94089 (US). CASTRO, Daniel [US/US]; 271 Woodhams Road, Santa Clara, California 95051 (US).
- (74) Agents: LUPKOWSKI, Mark et al.; Squire Sanders & Dempsey L.L.P., 1 Maritime Plaza, Suite 300, San Francisco, California 94111-3492 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,

CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### **Declarations under Rule 4.17:**

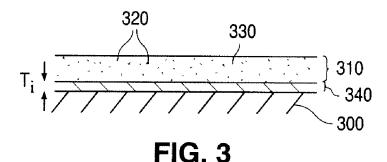
 as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

#### Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
- (88) Date of publication of the international search report:

5 November 2009

(54) Title: IMPLANTABLE MEDICAL DEVICES WITH ELASTOMERIC BLOCK COPOLYMER COATINGS



(57) Abstract: Implantable medical devices with elastomeric block copolymer coatings are disclosed.



#### INTERNATIONAL SEARCH REPORT

International application No PCT/US2008/064261

. CLASSIFICATION OF SUBJECT MATTER NV. A61L31/10 A61L3 A61L31/14 A61L31/16 A61B18/14 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) A61L 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, 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 2006/093771 A1 (RYPACEK FRANTISEK [CZ] 1-16 ET AL) 4 May 2006 (2006-05-04) page 2, paragraph 19-27 page 14, paragraph 235 - page 15, paragraph 240 claims 1-13 P,X WO 2008/027107 A (BOSTON SCIENT SCIMED INC 1,2,5,7, [US]; STRICKLER FREDERICK H [US]) 8,10,11. 6 March 2008 (2008-03-06) 15,16 page 2, paragraphs 5,6 page 8, paragraphs 29,30 page 15, paragraph 55 - page 17, paragraph 58 claims 1-7,12-21ΧI X. Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: \*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 "A" document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international "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 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) 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 docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 7 September 2009 14/09/2009 Name and mailing address of the ISA/ Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016

Van den Bulcke, H

## **INTERNATIONAL SEARCH REPORT**

International application No
PCT/US2008/064261

C/C==+:==	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/US200	8/064261
		<del></del>	·
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
P,X	WO 2007/089435 A (BOSTON SCIENT SCIMED INC [US]; WARNER ROBERT [US]; ARNEY MICHAEL S [US) 9 August 2007 (2007-08-09) page 24, paragraph 80 - page 25, paragraph 81 claims 1-39		1,2,5-8, 10,11, 15,16
E	WO 2008/144418 A (BOSTON SCIENT SCIMED INC [US]; SEPPALA JAN [US]; EDELMAN PETER G [US];) 27 November 2008 (2008-11-27) page 7, paragraph 31 - page 8, paragraph 32 page 9, paragraph 37-39 page 14, paragraph 49 - page 15, paragraph 51 claims 1-41		1,2,5,7, 8,10,11, 15,16
·			

## **INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No
PCT/US2008/064261

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 200609377	A1	04-05-2006	NON	Ε	
WO 2008027107	7 A	06-03-2008	CA EP US	2666044 A1 2054100 A2 2008051542 A1	06-03-2008 06-05-2009 28-02-2008
WO 2007089435	5 A	09-08-2007	CA EP JP US	2641457 A1 1979014 A2 2009525125 T 2007178136 A1	09-08-2007 15-10-2008 09-07-2009 02-08-2007
WO 2008144418	3 A	27-11-2008	US	2008286333 A1	20-11-2008