

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 February 2008 (07.02.2008)

PCT

(10) International Publication Number
WO 2008/016696 A3

(51) International Patent Classification:
A61L 27/44 (2006.01) A61L 29/12 (2006.01)

(74) Agent: GUSLER, Gloria M.; Squire, Sanders & Dempsey L.L.P., 1 Maritime Plaza, Suite 300, San Francisco, CA 94111-3492 (US).

(21) International Application Number:
PCT/US2007/017289

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, 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.

(22) International Filing Date: 1 August 2007 (01.08.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/834,887 1 August 2006 (01.08.2006) US
60/835,219 2 August 2006 (02.08.2006) US
11/888,500 31 July 2007 (31.07.2007) US

(71) Applicant (for all designated States except US): **ABBOTT CARDIOVASCULAR SYSTEMS INC.** [US/US]; 3200 Lakeside Drive, Santa Clara, California 95054-2807 (US).

(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, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

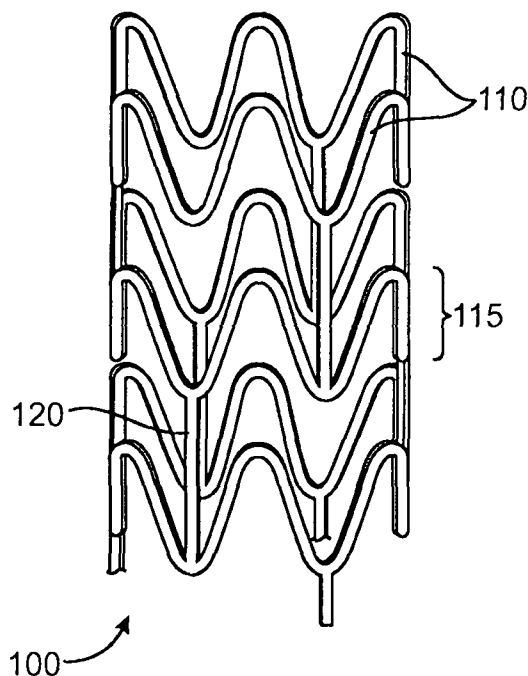
(72) Inventors; and
(75) Inventors/Applicants (for US only): **KRAMER-BROWN, Pamela A.** [US/US]; 3046 Fowler Road, San Jose, California 95135 (US). **GALE, David C.** [GB/US]; 3276 Amherst Lane, San Jose, California 95117 (US). **GUERIGUIAN, Vincent J.** [US/US]; 1324 Willard Street, #1, San Francisco, California 94117 (US). **WANG, Yunbing** [CN/US]; 1063 Morse Ave., Apt. 20-304, Sunnyvale, California 94089 (US).

Published:
— with international search report

(88) Date of publication of the international search report:
20 March 2008

(54) Title: COMPOSITE POLYMERIC AND METALLIC STENT WITH RADIOCAPACITY

(57) Abstract: Various embodiments of stents with a polymeric body with radiopaque metallic particles incorporated in the stent body.



WO 2008/016696 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/017289

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61L27/44 A61L29/12

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

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 2003/028241 A1 (STINSON JONATHAN SWIFT [US]) 6 February 2003 (2003-02-06) page 1, paragraph 12-14 page 2, paragraph 41 page 3, paragraph 50 page 4, paragraphs 64,67 claims 37-43	1-9, 12, 14-17, 20-24
X	EP 1 016 422 A (ETHICON INC [US]) 5 July 2000 (2000-07-05) page 3, paragraph 14-17 claims 1-11	1-9, 14-17, 20-24
	----- -/-- -----	

Further documents are listed in the continuation of Box C.

See patent family 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

Date of mailing of the international search report

14 December 2007

27/12/2007

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

CISMARU, L

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/017289

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 2005/064223 A1 (BAVARO VINCENT PETER [US] ET AL) 24 March 2005 (2005-03-24) page 1, paragraphs 9,10 page 2, paragraphs 11,18-22 claims 1-5 -----	1-9, 14-17, 20-24
X	US 6 702 850 B1 (BYUN YOUNGRO [KR] ET AL) 9 March 2004 (2004-03-09) claim 1 -----	12

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/017289

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003028241 A1	06-02-2003	WO 03011191 A1	13-02-2003
EP 1016422 A	05-07-2000	AU 6556999 A	06-07-2000
		BR 9907364 A	26-09-2000
		CA 2292184 A1	30-06-2000
		CN 1260211 A	19-07-2000
		JP 2000217903 A	08-08-2000
		KR 20000048464 A	25-07-2000
		SG 93852 A1	21-01-2003
		US 6200338 B1	13-03-2001
		ZA 9907870 A	25-06-2001
US 2005064223 A1	24-03-2005	EP 1663335 A2	07-06-2006
		JP 2007505721 T	15-03-2007
		US 2005065434 A1	24-03-2005
		US 2005064224 A1	24-03-2005
		WO 2005030284 A2	07-04-2005
US 6702850 B1	09-03-2004	AU 2003208018 A1	19-04-2004
		CN 1684642 A	19-10-2005
		EP 1549247 A1	06-07-2005
		JP 2006500987 T	12-01-2006
		WO 2004028406 A1	08-04-2004
		KR 20040028486 A	03-04-2004
		US 2004254638 A1	16-12-2004