(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 29 May 2008 (29.05.2008) (10) International Publication Number WO 2008/063780 A3

(51) International Patent Classification:

829C 67/20 (2006.01) 829C 44/08 (2006.01)

829C 44/04 (2006.01)

(21) International Application Number:

PCT/US2007/081261

(22) International Filing Date: 12 October 2007 (12.10.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/829,247 12 October 2006 (12.10.2006) US

(71) Applicant (for all designated States except US): C.R. BARD INC. [US/US]; 730 Central Avenue, Murray Hill, NJ 07974 (US).

(72) Inventor; and

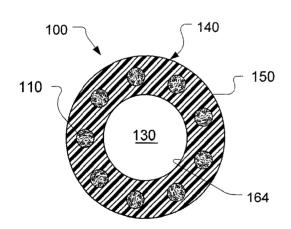
- (75) Inventor/Applicant (for US only): PATHAK, Chandrashekhar, P. [US/US]; 4221 East Ray Rd., #2069, Phoenix State, AZ 85044 (US).
- (74) Agent: LAUB, David, W.; Proskauer Rose Llp, 1001 Pennsylvania Avenue, N.w., Suite 400, South, Washington, DC 20004 (US).

- (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.
- (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).

Published:

- with international search report
- (88) Date of publication of the international search report: 31 December 2008

(54) Title: VASCULAR GRAFTS WITH MULTIPLE CHANNELS AND METHODS FOR MAKING



(57) Abstract: A wall, for example the wall of a vascular graft, has multiple channels within it. The channels may be used to hold drugs or reinforcing fibers. The channels may have a predetermined roughness. The channels may be formed by coextrusion using a soluble material, for example, to define the channels and then dissolving them to open the channels in the extrudate.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/81261

A. CLASSIFICATION OF SUBJECT MATTER IPC: B29C 67/20(2006.01),44/04(2006.01),44/08(2006.01)				
USPC: 264/49,45.1,55 ' 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) U.S.: 264/49, 45.1, 55				
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 practicable, search terms used) Please See Continuation Sheet				
C. DOC	JMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap	·	Relevant to claim No.	
Х	US 4,226,886 A (LAKES) 07 October 1980 (07.10.1	980), abstract, figures, column 2, line	1-5, 8, 9	
 Y	37; column 5, lines 58-63.		6, 7, 10-13, 15-27	
•			0, 7, 10 13, 13 27	
Further documents are listed in the continuation of Box C. See patent family annex.				
* S	pecial categories of cited documents:	"T" later document published after the idate and not in conflict with the ap		
	defining the general state of the art which is not considered to be of relevance	principle or theory underlying the in	vention	
"E" earlier ap	plication or patent published on or after the international filing date	"X" document of particular relevance; ti considered novel or cannot be cons when the document is taken alone		
"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)			step when the document is combined	
"O" document	referring to an oral disclosure, use, exhibition or other means	with one or more other such docum obvious to a person skilled in the a	,	
"P" 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 ac	ctual completion of the international search	Date of mailing of the international se	arch report	
27 August 2008 (27.08.2008) 24 SEP 2008				
	ailing address of the ISA/US	Authorized officer		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Sharon E. Kennedy		
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. 571-272-1600		
Facsimile No. (571) 273-3201				

Form PCT/ISA/210 (second sheet) (April 2007)

INTERNATIONAL SEARCH REPORT	PCT/US07/81261			
Continuation of B. FIELDS SEARCHED Item 3:				
Google Patents search terms: extrusion, pore former, salt, micron, teflon, PTFE				