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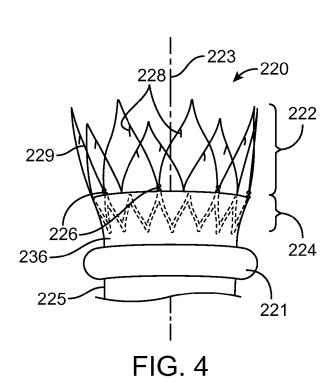
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[Continued on next page]

### (54) Title: ADVANCED ENDOVASCULAR GRAFT AND DELIVERY SYSTEM



(57) Abstract: Embodiments are directed in part to endovascular prostheses and methods of deploying same. Embodiments may be directed more specifically to stent grafts and methods of positioning and deploying such devices within the body of a patient.

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- AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
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#### A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

### FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61F 2/82; A61M 29/00; A61F 2/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKOMPASS(KIPO internal) & Keywords: stent, graft, flexible, tubular, lumen, collar, distal, barb, NiTi, self-expanding, sinusoidal, flap

#### **DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2009-0082845 A1 (CHOBOTOV, M. V.) 26 March 2009 See abstract; figures 1-4; paragraphs [0019]-[0030]; claims 1-11.	1-16
A	US 2004-0148008 A1 (GOODSON IV, H. B. & ELKINS, J.) 29 July 2004 See abstract; figures 1-3.	1-16
A	US 2004-0176836 A1 (KARI, S. E. & CHOBOTOV, M. V.) 09 September 2004 See abstract; figures 1,9-13; paragraphs [0029]-[0031].	1-16
A	US 5158548 A (LAU, L. & HARTIGAN, W. M.) 27 October 1992 See abstract; figure 4; claims 1-12.	1-16
A	US 2010-0249908 A1 (CHAU, M. & ZENG, Q.) 30 September 2010 See abstract; figures 5,7.	1-16

	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
"A"	document defining the general state of the art which is not considered	date and not in conflict with the application but cited to und
	to be of particular relevance	the principle or theory underlying the invention

earlier application or patent but published on or after the international "L" document which may throw doubts on priority claim(s) or which is

cited to establish the publication date of citation or other special reason (as specified)

document referring to an oral disclosure, use, exhibition or other

document published prior to the international filing date but later than the priority date claimed

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"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 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

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Name and mailing address of the ISA/KR



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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2011/060873

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This internati	onal search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
beca Cl rel	ms Nos.: 17-21, 35-43, 51-57, 60, 61 use they relate to subject matter not required to be searched by this Authority, namely: aims 17-21, 35-43, 51-57, 60 and 61 pertain to methods for treatment of the human body by surgery or therapy, and thus ate to a subject matter which this International Searching Authority is not required, under Article 17(2)(a)(i) of PCT and the 39.1(iv) of the Regulations under the PCT, to search.			
beca	ms Nos.: suse they relate to parts of the international application that do not comply with the prescribed requirements to such an an int that no meaningful international search can be carried out, specifically:			
	ms Nos.: use they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This Internati	onal Searching Authority found multiple inventions in this international application, as follows:			
_	1: a stent graft comprising a stent including at least one barb extending radially outward with an specific axial length (claims 1-16) 2: a delivery system for delivering a stent graft (claims 22-34, 44-50, 58, 59)			
clain  2. As a of as	Il required additional search fees were timely paid by the applicant, this international search report covers all searchable ins.  Il searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment my additional fee.  In 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.: 1-16				
Remark on	Protest  The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.  The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.  No protest accompanied the payment of additional search fees.			

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

# PCT/US2011/060873

information on patent family members		101,0	PCT/US2011/060873	
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