



- (51) International Patent Classification:
A61F 2/07 (2013.01)
- (21) International Application Number:
PCT/US2013/036180
- (22) International Filing Date:
11 April 2013 (11.04.2013)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
- | | | |
|------------|-------------------------------|----|
| 61/623,151 | 12 April 2012 (12.04.2012) | US |
| 61/646,637 | 14 May 2012 (14.05.2012) | US |
| 61/716,326 | 19 October 2012 (19.10.2012) | US |
| 61/716,292 | 19 October 2012 (19.10.2012) | US |
| 61/716,315 | 19 October 2012 (19.10.2012) | US |
| 61/720,803 | 31 October 2012 (31.10.2012) | US |
| 61/720,829 | 31 October 2012 (31.10.2012) | US |
| 61/720,846 | 31 October 2012 (31.10.2012) | US |
| 13/706,086 | 5 December 2012 (05.12.2012) | US |
| 61/737,411 | 14 December 2012 (14.12.2012) | US |
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- (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, BN, 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, PA, 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.
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,

[Continued on next page]

(54) Title: VISCERAL DOUBLE-BARRELED MAIN BODY STENT GRAFT AND METHODS FOR USE

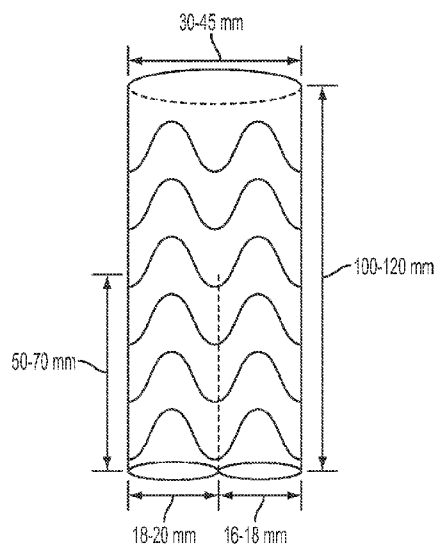


FIG. 1A

(57) Abstract: A visceral double-barreled main body stent graft and methods for its use, the stent graft comprises, a main body stent graft having distal and proximal ends, the main body stent graft's length ranges from about 100-120 mm and diameter at the proximal end ranges from about 30-45 mm, first and second lumens defined at the main body stent graft's distal end, the first lumen's diameter ranges from about 18-20 mm, the second lumen's diameter ranges from about 16-18 mm, the first and second lumens have about the same length from about 50-70 mm, the first lumen is secured to the second lumen along a shared length, and the main body stent graft defines a tubular wall that is contiguous with the first and second lumens such that any fluid entering the main body must exit through one of the first or second lumens.



UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *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:

30 May 2014

Published:

— *with international search report (Art. 21(3))*

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2013/036180

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61F2/07
ADD.

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)
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 practicable, search terms used)

EP0-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	WO 98/27893 A2 (PROGRAFT MEDICAL INC [US]) 2 July 1998 (1998-07-02) page 34, lines 1-21 page 40, line 28 - page 40/1, line 3 figures 14a,15	1-22
A	----- WO 98/09584 A1 (ENDOVASCULAR TECH INC [US]) 12 March 1998 (1998-03-12) page 29, lines 6-25 page 44, lines 14-17 page 45, lines 6-8 figure 14	1
A	----- US 6 454 796 B1 (BARKMAN KIMBERLEY [US] ET AL) 24 September 2002 (2002-09-24) column 5, lines 60-65 column 8, lines 38-52 figures 1-3 -----	3

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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 application or patent 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

9 July 2013

Date of mailing of the international search report

15/04/2014

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2013/036180

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2013/036180

Box No. 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.: 46
because they relate to subject matter not required to be searched by this Authority, namely:
Rules 39.1 (iv) and 67.IV PCT - Method for treatment of the human or animal body by surgery. The feature "introducing a guidewire" in claim 46 implies surgery.
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 No. 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 fees, this Authority did not invite payment of additional fees.
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.:

1-22

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-22

stent graft with legs sharing a length.

2. claims: 23-45

bifurcated graft with different diameter legs with lumens defined at 5mm from the end of main body.
