



- (51) **International Patent Classification:**
A61F 2/90 (2013.01) *A61F 2/962* (2013.01)
- (21) **International Application Number:**
PCT/US2015/024677
- (22) **International Filing Date:**
7 April 2015 (07.04.2015)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/976,754 8 April 2014 (08.04.2014) 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, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, 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, SA, 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, ST, SZ,
TZ, 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, KM, ML, MR, NE, SN, TD, TG).

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:**
18 February 2016

(54) **Title:** MEDICAL DEVICES AND RELATED METHODS OF USE THEREOF

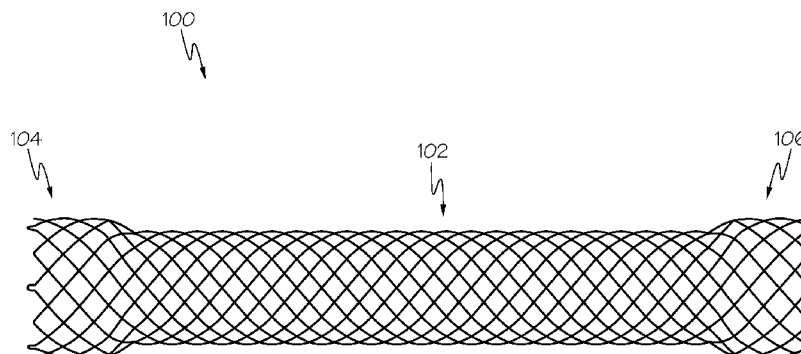


FIG. 1

(57) **Abstract:** A stent (100) has a braided wire body (102) formed from at least a first wire (202) and a second wire (204). The first wire has a first cross-sectional area and the second wire has a second cross-sectional area different from the first cross-sectional area. The proximal end of the braided wire body has a plurality of peaks, the peaks including first peaks (208) and first loop ends (206). The first loop ends alternate circumferentially with the first peaks and the first loop ends extend proximally beyond the first peaks.



INTERNATIONAL SEARCH REPORT

International application No
PCT/US2015/024677

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61F2/90 A61F2/962
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)

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	WO 2006/053270 A2 (BOSTON SCIENT SCIMED INC [US]; NORTON PAUL [US]; ZUPKOFKA MICHAEL [US] 18 May 2006 (2006-05-18)	1-3,5,7,9-11
Y	the whole document	6,8
X	DE 10 2011 011180 A1 (ACANDIS GMBH & CO KG [DE]) 16 August 2012 (2012-08-16)	1-4
Y	the whole document	14
Y	WO 2013/052528 A1 (COOK MEDICAL TECHNOLOGIES LLC [US]; RYAN MICHAEL [IE]; CARLSON JAMES M) 11 April 2013 (2013-04-11) paragraphs [0004] - [0006], [0031] - [0058], [0070]	6,8
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Further documents are listed in the continuation of Box C.



See patent family annex.

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"E" earlier application or patent but published on or after the international filing date

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"&" document member of the same patent family

Date of the actual completion of the international search

15 December 2015

Date of mailing of the international search report

07/01/2016

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2015/024677

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 2 510 907 A1 (ASAHI INTECC CO LTD [JP]) 17 October 2012 (2012-10-17) the whole document -----	1-11
X	US 2013/245745 A1 (VONG SHIRLEY [US] ET AL) 19 September 2013 (2013-09-19)	12,13
Y	paragraphs [0052] - [0087], [0142], [0143], [0159], [0160]; figures 1-14,54 -----	14
X	US 2004/204749 A1 (GUNDERSON RICHARD [US]) 14 October 2004 (2004-10-14) paragraphs [0015], [0031] - [0044]; figures 3,5,7-10 -----	12,15
A	US 2006/100688 A1 (JORDAN GARY [US] ET AL) 11 May 2006 (2006-05-11) the whole document -----	12-15
A	EP 1 982 677 A2 (MEDTRONIC VASCULAR INC [US]) 22 October 2008 (2008-10-22) the whole document -----	12-15

INTERNATIONAL SEARCH REPORT

International application No.
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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.:
because they relate to subject matter not required to be searched by this Authority, namely:
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.:

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: 1-11

A stent having a braided wire body formed of at least one first and at least one second wire where the first and second wires have different cross-sectional areas. The proximal end of the braided wire body comprises a plurality of peaks, the peaks comprising peaks and loop ends, the loop ends alternating circumferentially with the peaks and extending proximally beyond the peaks.

2. claims: 12-15

A delivery catheter and stent. The stent comprises a plurality of peaks at the proximal end, the peaks comprising circumferentially alternating peaks and loop ends, the loop ends extending proximally beyond the peaks. The delivery catheter comprises a retractable sheath, an inner catheter member and an anchor member. The anchor member is disposed exteriorly to the inner catheter member and comprises a plurality of protrusions which extend into the first loop ends of the stent, the retractable sheath surrounding stent and anchor member.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2015/024677

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

Information on patent family members

International application No

PCT/US2015/024677

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			JP 2008264550 A	06-11-2008
			US 2008262590 A1	23-10-2008
