

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(10) International Publication Number
WO 2013/109756 A8

(43) International Publication Date
25 July 2013 (25.07.2013)

- (51) International Patent Classification:
A61M 29/00 (2006.01) A61B 17/22 (2006.01)
- (21) International Application Number:
PCT/US2013/021942
- (22) International Filing Date:
17 January 2013 (17.01.2013)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/587,617 17 January 2012 (17.01.2012) US
61/679,508 3 August 2012 (03.08.2012) US
61/693,026 24 August 2012 (24.08.2012) US
- (71) Applicant: PERFLOW MEDICAL LTD. [IL/IL]; 27 Habarzel Street, Building A, 6971039 Tel-Aviv (IL).
- (72) Inventors: FERRERA, David; 18 Peony Way, Coto De Caza, CA 92679 (US). RAPAPORT, Avraham; 10 Drezner Street, 6949762 Tel-Aviv (IL). CIBULSKI, Gilad; 4 HaGefen Street, P.O. Box 827, Zur-Moshe, 4281000

Doar-Na Lev HaSharon (IL). REITER, Allon; 14 Michael Neeman Street, 6958101 Tel-Aviv (IL).

- (74) Agents: G.E. EHRlich (1995) LTD. et al.; 11 Menachem Begin Street, 5268104 Ramat Gan (IL).
- (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, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR OCCLUSION REMOVAL

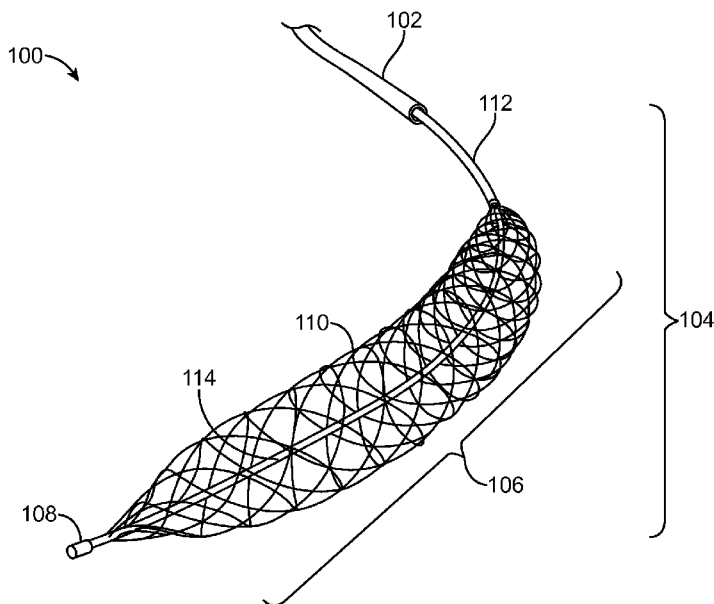


FIG. 1C

(57) Abstract: A system for removing a thrombus. The system includes an expandable device that maintains axially fixed engagement with the thrombus. The expandable device applies a first force to the thrombus according to surrounding vessel size. The expandable device applies a second force to the thrombus according to an increased vessel size to maintain axially fixed engagement.

WO 2013/109756 A8

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).

(88) Date of publication of the international search report:
30 October 2014

(48) Date of publication of this corrected version:
27 November 2014

Published:

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

(15) Information about Correction:
see Notice of 27 November 2014