



- (51) **International Patent Classification:**
A61F 2/01 (2006.01)
- (21) **International Application Number:**
PCT/IB2014/066389
- (22) **International Filing Date:**
27 November 2014 (27.11.2014)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/910,065 28 November 2013 (28.11.2013) US
- (71) **Applicant:** INNOVENTIONS LTD. [IL/IL]; Ha-Hadas 1,
Or Akiva Northern Industrial, 30600 Or Akiva (IL).
- (72) **Inventors:** YACHIA, Daniel; Yehuda Hamaccabi 17b,
46762 Herzlia (IL). PONOMARENKO, Valentin; Harofe
45A/6, 34367 Haifa (IL).
- (74) **Agent:** DR MARK FRIEDMAN LTD.; Moshe Aviv
Tower, 54th Floor., 7 Jabotinsky St., 5252007 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, 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))*

- (88) **Date of publication of the international search report:**
20 August 2015

(54) **Title:** FILTRATION AND ENTRAPMENT APPARATUS AND METHOD OF USE

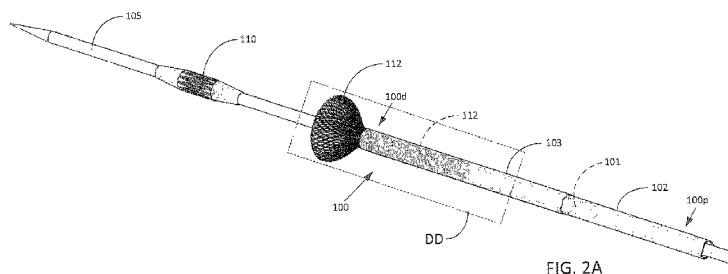


FIG. 2A

(57) **Abstract:** A filter system comprises an expandable filter, with a first end of the filter attached to an end of a first tube, and a second end of the filter attached to an end of a second tube. The tubes are arranged telescopically with respect to each other such that telescopic movement of the first and second tubes with respect to each other causes the filter to move between a first collapsed, position and a second expanded position, where the filter extends outwardly. The filter may be a folded-over member, when in the expanded position, or a spiraling member.