

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
09 May 2019 (09.05.2019)



(10) International Publication Number
WO 2019/086954 A1

(51) International Patent Classification:
A61F 2/24 (2006.01)

(21) International Application Number:
PCT/IB2018/001335

(22) International Filing Date:
26 October 2018 (26.10.2018)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/580,646 02 November 2017 (02.11.2017) US
16/154,233 08 October 2018 (08.10.2018) US

(71) Applicant: **VALTECH CARDIO, LTD.** [IL/IL]; 3 Ariel Sharon Avenue, 60376 Or Yehuda (IL).

(72) Inventors: **SHEPS, Tal**; Uziel 39, 5401453 Givat Shmuel (IL). **KEIDAR, Yaron**; 2 Kashtan Street, 34984 Haifa (IL). **CONKLIN, Brian, S.**; Edwards Lifesciences, One Edwards Way, Legal Department, Irvine, CA 92614 (US). **ZIPORY, Yuval**; 40 Nahal Meron Street, Modi'in (GB).

(74) Agent: **SANFORD T. COLB & CO.**; 4 Shaar Hagai Street, P.O. Box 2273, 7612201 Rehovot (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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, 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))

(54) Title: IMPLANT-CINCHING DEVICES AND SYSTEMS

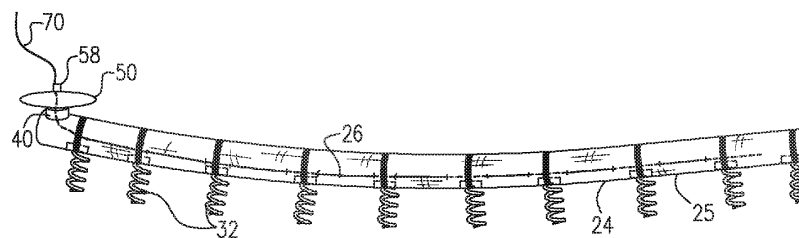


FIG. 4A

(57) Abstract: An implant having an implant body, a gripper, an elastic pouch, and an elongate member. The pouch can be coupled to the gripper, can have a first part and a second part, can have a contracted state toward which the pouch is elastically biased, and can be reversibly stretchable into a stretched state. The elongate member can have a first end portion coupled to the implant body, a second end portion fastened to the second part of the pouch, and a mid-portion extending (i) from the second end portion, through the pouch to the first part of the pouch, and (ii) out of the pouch to the first end portion. In at least one state of the gripper, the mid-portion can be slidable through the gripper and into the pouch. Other embodiments are also described.

WO 2019/086954 A1