

# (12) International Application Status Report

**Received at International Bureau:** 11 March 2020 (11.03.2020)

**Information valid as of:** 31 August 2020 (31.08.2020)

**Report generated on:** 26 January 2021 (26.01.2021)

**(10) Publication number:**

WO2020/183399

**(43) Publication date:**

17 September 2020 (17.09.2020)

**(26) Publication language:**

English (EN)

**(21) Application Number:**

PCT/IB2020/052169

**(22) Filing Date:**

11 March 2020 (11.03.2020)

**(25) Filing language:**

English (EN)

**(31) Priority number(s):**

62/816,629 (US)

**(31) Priority date(s):**

11 March 2019 (11.03.2019)

**(31) Priority status:**

Priority document received (in compliance with PCT Rule 17.1)

62/823,292 (US)

25 March 2019 (25.03.2019)

Priority document received (in compliance with PCT Rule 17.1)

**(51) International Patent Classification:**

**A61F 2/04** (2013.01); **A61F 5/00** (2006.01); **A61H 9/00** (2006.01); **A61B 1/018** (2006.01); **A61B 1/273** (2006.01)

**(71) Applicant(s):**

BFKW, LLC [US/US]; 489 Lehigh Dr., SE Ada, Michigan 49301 (US) *(for all designated states)*

**(72) Inventor(s):**

BAKER, Randal; 6200 Cascade Pointe Drive, S.E. Grand Rapids, Michigan 49546 (US)

**(74) Agent(s):**

BURKHART, FREDERICK S.; Gardner Linn Burkhardt & Ondersma LLP 2900 Charlevoix Dr. SE Suite 300 Grand Rapids, Michigan 49546 (US)

**(54) Title (EN):** SINGLE MEMBER INTRALUMINAL DEVICE AND METHOD OF FIXATION

**(54) Title (FR):** DISPOSITIF INTRALUMINAL À ÉLÉMENT UNIQUE ET PROCÉDÉ DE FIXATION

**(57) Abstract:**

**(EN):** An intraluminal device and method of deploying an intraluminal device in a portion of a lumen includes the device having a body with a wall defining a surface. The surface is configured to a portion of a lumen. An anchor system made up of a plurality of anchors fixes the body to an inner wall of the lumen. At least intermittent pressure with the surface to the inner wall of the lumen. A tissue fold of the inner wall of the lumen is formed. The tissue fold is adjacent the body wall and transmits a force between the inner wall of the lumen and the device body.

**(FR):** Dispositif intraluminal et procédé de déploiement d'un dispositif intraluminal dans une partie d'une lumière comprenant le dispositif ayant un corps avec une paroi délimitant une surface. La surface est configurée sur une partie d'une lumière. Un système d'ancrage constitué d'une pluralité d'éléments d'ancrage fixe le corps à une paroi intérieure de la lumière. Au moins une pression intermittente avec la surface est appliquée à la paroi intérieure de la lumière. Un pli de tissu de la paroi intérieure de la lumière est formé. Le pli de tissu est adjacent à la paroi corporelle et transmet une force entre la paroi intérieure de la lumière et le corps de dispositif.

**International search report:**

Received at International Bureau: 23 July 2020 (23.07.2020) [US]

**International Report on Patentability (IPRP) Chapter II of the PCT:**

Not available

**(81) Designated States:**

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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW

European Patent Office (EPO) : 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

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM