

(12) International Application Status Report

Received at International Bureau: 19 November 2017 (19.11.2017)

Information valid as of: 14 February 2018 (14.02.2018)

Report generated on: 17 September 2019 (17.09.2019)

(10) Publication number:

WO2018/089618

(43) Publication date:

17 May 2018 (17.05.2018)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/US2017/060834

(22) Filing Date:

09 November 2017 (09.11.2017)

(25) Filing language:

English (EN)

(31) Priority number(s):

15/349,288 (US)

(31) Priority date(s):

11 November 2016 (11.11.2016)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

A61F 2/24 (2006.01); A61B 17/122 (2006.01)

(71) Applicant(s):

EVALVE, INC. [US/US]; 3200 Lakeside Drive Santa Clara, California 95054 (US) *(for all designated states)*

(72) Inventor(s):

KIZUKA, Koji J.; 766 Kansas St. Apt 1 San Francisco, California 94107 (US)

(74) Agent(s):

RICHARDS, Jonathan W.; Workman Nydegger 60 East South Temple, Suite 1000 Salt Lake City, Utah 84111 (US)

(54) Title (EN): OPPOSING DISK DEVICE FOR GRASPING CARDIAC VALVE TISSUE

(54) Title (FR): DISPOSITIF DE DISQUES OPPOSÉS DESTINÉ À SAISIR UN TISSU DE VALVULE CARDIAQUE

(57) Abstract:

(EN): The present disclosure relates to repair devices and methods for repair of regurgitant tricuspid valves. A repair method includes positioning a repair device at a tricuspid valve in a collapsed configuration. The repair device includes a proximal disk and a distal disk joined by a neck section. The distal disk is deployed by passing it from the collapsed state to an expanded configuration on a first side of the tricuspid valve. The proximal disk is then deployed by passing it from the collapsed state to an expanded configuration on a second side of the tricuspid valve so as to grasp all three tricuspid valve leaflets between the deployed distal disk and the deployed proximal disk.

(FR): La présente invention concerne des dispositifs de réparation et des procédés destinés à la réparation de valvules tricuspides de régurgitation. Un procédé de réparation comprend le positionnement d'un dispositif de réparation au niveau d'une valvule tricuspide dans une configuration rétractée. Le dispositif de réparation comprend un disque proximal et un disque distal reliés par une section de col. Le disque distal est déployé en étant passé de l'état rétracté à une configuration dilatée sur un premier côté de la valvule tricuspide. Le disque proximal est ensuite déployé en étant passé de l'état rétracté à une configuration dilatée sur un second côté de la valvule tricuspide de façon à saisir les trois feuillets de valvule tricuspide entre le disque distal déployé et le disque proximal déployé.

International search report:

Received at International Bureau: 13 February 2018 (13.02.2018) [EP]

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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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