



(43) International Publication Date
9 October 2014 (09.10.2014)

- (51) International Patent Classification:
A61F 2/76 (2006.01) A61F 2/24 (2006.01)
- (21) International Application Number:
PCT/US2014/021800
- (22) International Filing Date:
7 March 2014 (07.03.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
13/797,572 12 March 2013 (12.03.2013) US
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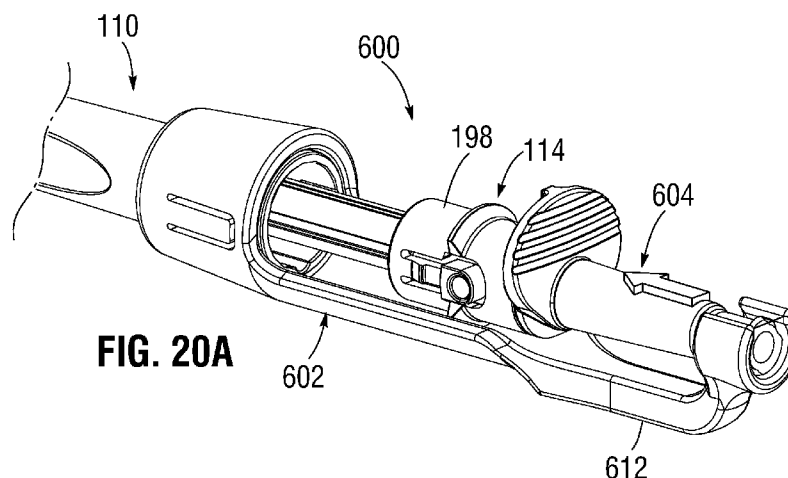
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, 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, 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, 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: SYSTEMS AND METHODS FOR ENSURING SAFE AND RAPID DEPLOYMENT OF PROSTHETIC HEART VALVES



(57) Abstract: A quick-connect heart valve prosthesis that can be quickly and easily implanted during a surgical procedure is provided. The heart valve may include a substantially non-expandable, non-compressible prosthetic valve and a plastically-expandable frame, thereby enabling attachment to the annulus without sutures. A system and method for deployment includes an integrated handle shaft and balloon catheter. A safety member disposed between the balloon catheter and handle shaft prevents premature catheter advancement prior to heart valve placement at the annulus, and also may prevent premature balloon inflation prior to full catheter advancement.

