



(51) International Patent Classification:

A61F 2/86 (2013.01) A61F 2/24 (2006.01)  
A61F 2/04 (2013.01) A61F 2/82 (2013.01)  
A61F 2/06 (2013.01)

(21) International Application Number:

PCT/US2017/061758

(22) International Filing Date:

15 November 2017 (15.11.2017)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/422,519 15 November 2016 (15.11.2016) US  
15/812,070 14 November 2017 (14.11.2017) 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, 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).

(54) Title: IMPLANTABLE VEIN FRAME

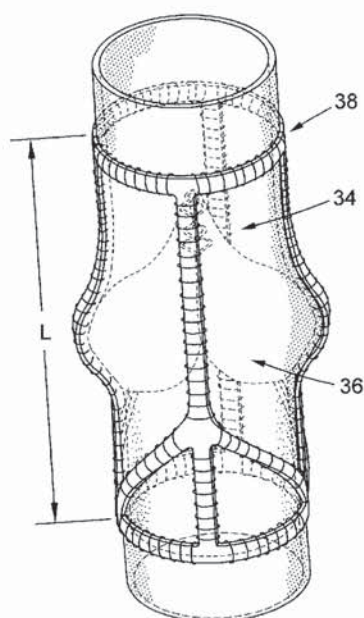


FIG. 6

(57) Abstract: An implantable vein frame is contemplated in which two ring members are rigidly joined in spaced axial alignment via one or more interconnecting members. One of the one or more interconnecting members defines a protruding region that acts upon the implant placed within the frame and/or the vein that the vein frame is placed within to define a sinus region. The implant is placed within and scaffolded by the vein frame, and the vein frame is subsequently inserted within a vein via a venotomy, or interposed between two vein segments via vein interposition graft. The vein frame acts to support the structural integrity of the implant, and to scaffold and anchor the implant in place with the vein.

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

**Published:**

- *with international search report (Art. 21(3))*