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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
3 June 2010 (03.06.2010)

PCT

(10) International Publication Number
WO 2010/062743 A3

(51) **International Patent Classification**:
A61B 17/064 (2006.01) *A61B 17/068* (2006.01)
A61B 17/04 (2006.01) *A61B 17/03* (2006.01)
A61B 17/06 (2006.01)

(21) **International Application Number**:
PCT/US2009/063081

(22) **International Filing Date**:
3 November 2009 (03.11.2009)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
61/110,952 3 November 2008 (03.11.2008) US

(71) **Applicant** *(for all designated States except US)*: **ANGIOTECH PHARMACEUTICALS, INC.** [CA/CA]; 1618 Station Street, Vancouver, British Columbia V6A 1B6 (CA).

(72) **Inventors; and**

(75) **Inventors/Applicants** *(for US only)*: **MEGARO, Anthony, R.** [US/US]; 118 Stoneridge Drive, Chapel Hill, North Carolina 27514 (US). **MEGARO, Matthew, A.** [US/US]; 118 Stoneridge Drive, Chapel Hill, North Carolina 27514 (US).

(74) **Agents**: **MCMASTERS, David, D.** et al.; Angiotech, P.O. Box 2840, North Bend, Washington 98045 (US).

(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, 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, IS, JP, KE, KG, KM, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

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

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

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

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) **Date of publication of the international search report**:
30 September 2010

(54) **Title**: LENGTH OF SELF-RETAINING SUTURE AND METHOD AND DEVICE FOR USING THE SAME

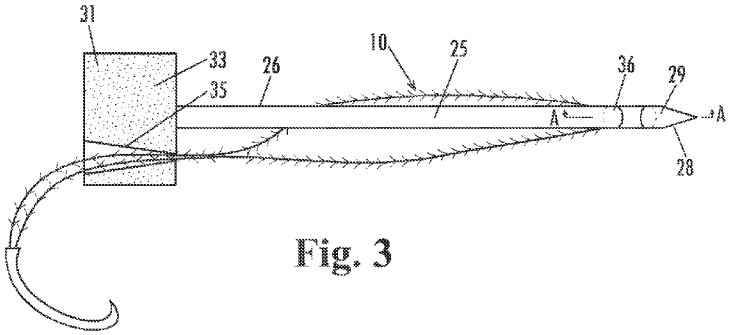


Fig. 3

(57) **Abstract**: A method and device for anchoring a length of self-retaining suture. The method of anchoring includes providing for an assembly having a length of self-retaining suture and a suture insertion device. The length of suture includes at least a portion of the length having a plurality of retainers thereon extending in a first direction. The insertion device has a length and a recess to receive a portion of the suture length. The method further includes placing a portion of the suture length in the recess and inserting the device into the body of a mammal until the recess reaches a predetermined location thereby forming an insertion pathway. The method further includes retrieving the insertion device from the body by moving the insertion device in a direction substantially opposed to the insertion pathway.

WO 2010/062743 A3