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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 November 2013 (28.11.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/177379 A1

(51) International Patent Classification:
A61B 5/02 (2006.01) *A61M 5/142* (2006.01)

(21) International Application Number:
PCT/US2013/042388

(22) International Filing Date:
23 May 2013 (23.05.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/651,860 25 May 2012 (25.05.2012) US

(71) Applicant: **SMITHS MEDICAL ASD, INC.** [US/US]; 160 Weymouth Street, Rockland, MA 02370 (US).

(72) Inventors: **WANDER, Jacob, A.**; c/o Smith Medical Asd, Inc., 160 Weymouth Street, Rockland, MA 02370 (US). **ADAMS, Grant, A.**; c/o Smith Medical Asd, Inc., 160 Weymouth Street, Rockland, MA 02370 (US). **LACY, Christopher, A.**; c/o Smith Medical Asd, Inc., 160 Weymouth Street, Rockland, MA 02370 (US).

(74) Agents: **SALMELA, Amy, M.** et al.; Patterson Thuente Pedersen, P.A., 4800 IDS Center, 80 South Eighth Street, Minneapolis, MN 55402-2100 (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, 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, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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.

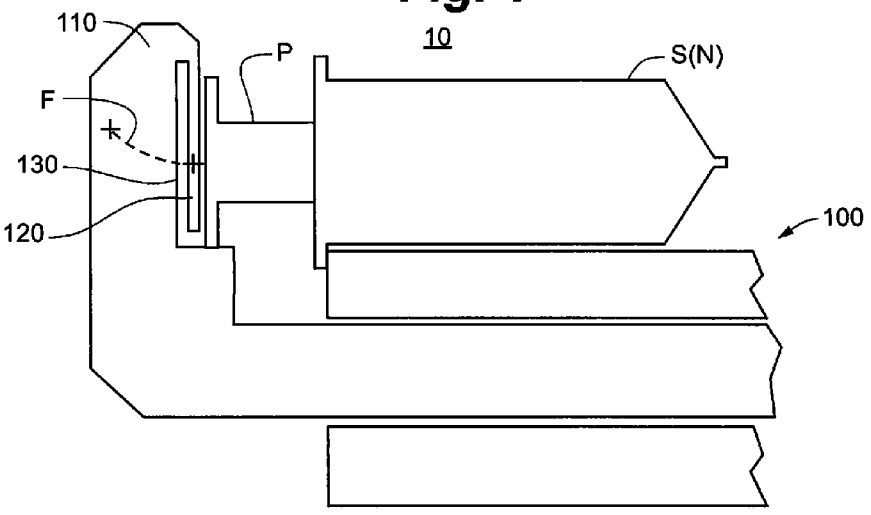
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, 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, ML, MR, NE, SN, TD, TG).

Published:

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

(54) **Title**: OCCLUSION DETECTION

Fig. 1



(57) **Abstract**: A system for occlusion detection could include a syringe pump for a syringe containing a medication, wherein the syringe includes a plunger and the syringe pump includes a plunger driver. A bendable element could be integrally formed with the plunger driver, and a force sensor could also be integrally formed with the plunger driver. Upon occurrence of an occlusion, the plunger would exert a force backwardly against the bendable element, thereby deflecting the bendable element into contact with the force sensor to thereby generate a signal indicating the occurrence of the occlusion.

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