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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 August 2015 (20.08.2015)

WIPO | PCT

(10) International Publication Number
WO 2015/122884 A1

(51) International Patent Classification:
A61M 5/32 (2006.01) *A61M 5/46* (2006.01)

(21) International Application Number:
PCT/US2014/016021

(22) International Filing Date:
12 February 2014 (12.02.2014)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant: **ABBVIE INC.** [US/US]; 1 North Waukegan Road, North Chicago, IL 60064 (US).

(72) Inventors: **NAKAMURA, Kei**. **YOSHIDA, Junichi**.

(74) Agents: **BURNS, David R.** et al.; McCarter & English, LLP, 265 Franklin Street, Boston, MA 02110 (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, 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: SELF-INJECTION TOOL WITH MOVABLE NEEDLE SHROUD

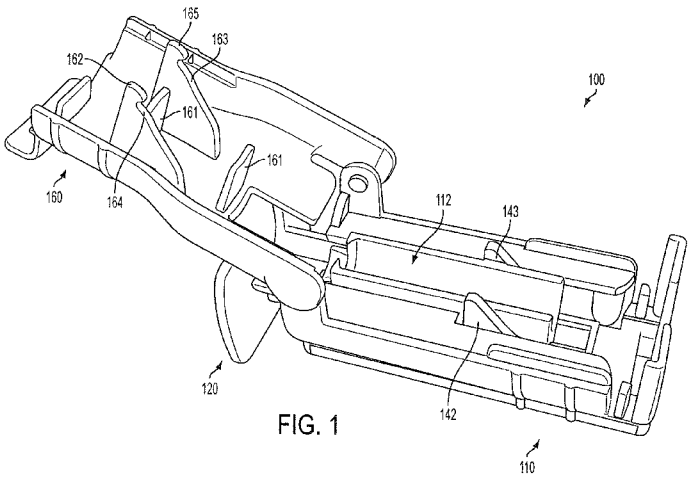


FIG. 1

(57) Abstract: Self-injection tool includes a base and a shroud member. The base includes a proximal end, a distal end, and a barrel engagement portion. The barrel engagement portion defines a cavity to receive at least a portion a syringe barrel such that the distal end of a needle extends a first distance from the distal end of the base. The shroud member includes a proximal end and a distal end. The proximal end is movably coupled to the base. The shroud member is movable between a fully-extended position and a fully-retracted position. In the fully-extended position the shroud member is an extended distance from the distal end of the base. In the fully-retracted position the shroud member is a retracted distance from the distal end of the base. The extended distance is greater or equal to the first distance; the retracted distance is less than the first distance.

WO 2015/122884 A1