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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
18 December 2008 (18.12.2008)

PCT

(10) International Publication Number
WO 2008/154630 A3

(51) International Patent Classification:
A61M 5/50 (2006.01)

(21) International Application Number:
PCT/US2008/066705

(22) International Filing Date: 12 June 2008 (12.06.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/943,397 12 June 2007 (12.06.2007) US

(71) Applicant *(for all designated States except US)*: **BECTON, DICKINSON AND COMPANY** [US/US]; 1 Becton Drive - MC 89, Franklin Lakes, New Jersey 07417-1880 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **CAIZZA, Richard** [US/US]; 1 Cherry Tree Drive, Vernon, New Jersey 07462 (US). **ODELL, Robert** [US/US]; 357 Pulis Avenue, Franklin Lakes, New Jersey 07417 (US). **WAYMAN, Brian H.** [US/US]; 27 Sherman Ave., Morris Plains, New Jersey 07950 (US).

(74) Agent: **SERVILLA, Scott S.**; Diehl Servilla LLC, 77 Brant Avenue, Suite 210, Clark, New Jersey 07066 (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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

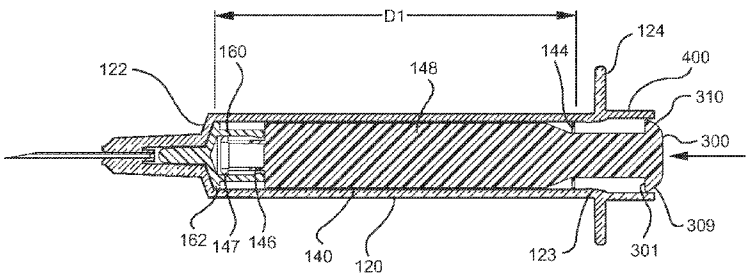
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
2 April 2009

(54) Title: SYRINGE WITH DISABLING MECHANISM

FIG. 10



(57) Abstract: Syringe assemblies having a passive disabling system to prevent reuse are provided. In one embodiment, the passive disabling system activates after completion of an injection cycle. An exemplary syringe assembly (100) incorporates a stopper (160) and plunger rod (140) attached in a manner to prevent users from disassembling the syringe prior to completion of the injection cycle. The barrel (120) may also include an annular extension or collar (400) that extends from the proximal end (129) of the barrel. In a specific configuration, the annular extension at least partially envelopes a portion of the thumb press (300) to prevent the user from accessing the thumb press and moving the plunger rod in a proximal direction Syringe assembles of one or more embodiments also include visual indicators and markers (500) indicating whether a syringe assembly is used or the plunger rod is locked within the barrel.

WO 2008/154630 A3