

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(10) International Publication Number
WO 2017/180480 A8

(43) International Publication Date
19 October 2017 (19.10.2017)

(51) International Patent Classification:

A61M 5/315 (2006.01) A61M 5/24 (2006.01)
A61M 5/178 (2006.01) A61M 5/28 (2006.01)
A61M 5/19 (2006.01) A61M 5/31 (2006.01)

(21) International Application Number:

PCT/US2017/026684

(22) International Filing Date:

07 April 2017 (07.04.2017)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/323,341 15 April 2016 (15.04.2016) US

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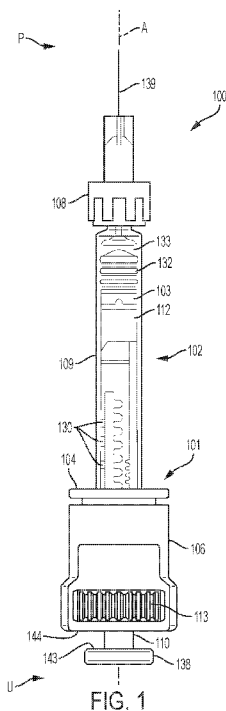
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, 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,

(54) Title: ACCURATE, PRECISE MICROLITER DOSING SYRINGE



(57) Abstract: According to some embodiments, a syringe may include a barrel; a delivery conduit; a plunger seal disposed within the barrel; and a plunger rod assembly affixed to an end of the barrel, the plunger rod assembly including a first plunger rod component comprising a first linear gear, a second plunger rod component disposed at least partially in the barrel and engaged with the plunger seal, wherein the second plunger rod component comprises a second linear gear, a first rotational gear having a plurality of gear teeth for engaging the first linear gear, and a second rotational gear having a second plurality of gear teeth for engaging the second linear gear, wherein the first rotational gear is coupled to the second rotational gear such that translation of the first plunger rod component causes translation of the second plunger rod component.



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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))*

(48) Date of publication of this corrected version:

13 September 2018 (13.09.2018)

(15) Information about Correction:

see Notice of 13 September 2018 (13.09.2018)