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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
5 November 2009 (05.11.2009)

PCT

(10) International Publication Number
WO 2009/132781 A1

(51) International Patent Classification:
A61M 5/24 (2006.01) *A61M 5/315* (2006.01)

(21) International Application Number:
PCT/EP2009/002823

(22) International Filing Date:
17 April 2009 (17.04.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
08008354.6 2 May 2008 (02.05.2008) EP

(71) Applicant *(for all designated States except US)*: **SANOFI-AVENTIS DEUTSCHLAND GMBH** [DE/DE]; Brüningstraße 50, 65929 Frankfurt am Main (DE).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **HARMS, Michael** [DE/DE]; Sanofi-Aventis Deutschland GmbH, 65926 Frankfurt am Main (DE). **RAAB, Steffen** [DE/DE]; Sanofi-Aventis Deutschland GmbH, 65926 Frankfurt am Main (DE). **WEBBER, Dominic, George** [GB/GB]; 124 Blinco Drive, Cambridge CB1 7TT (GB). **HOWARTH, James, Robert** [GB/GB]; 5 Rose and Crown Yard, Willingham, Cambridge CB4 5ER (GB). **BECKETT, Trevor, John** [GB/GB]; 6 Conder Close, Milton, Cambridge CB4 6DZ (GB). **GRAY, Geoffrey, Philip** [GB/GB]; 14 George St, Berkhamsted, Herts HP4 2EG (GB). **CROSS, John, David** [GB/GB]; 200 Allesley Old Road, Coventry CV5 8GJ (GB).

(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, 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, 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**: MEDICATION DELIVERY DEVICE

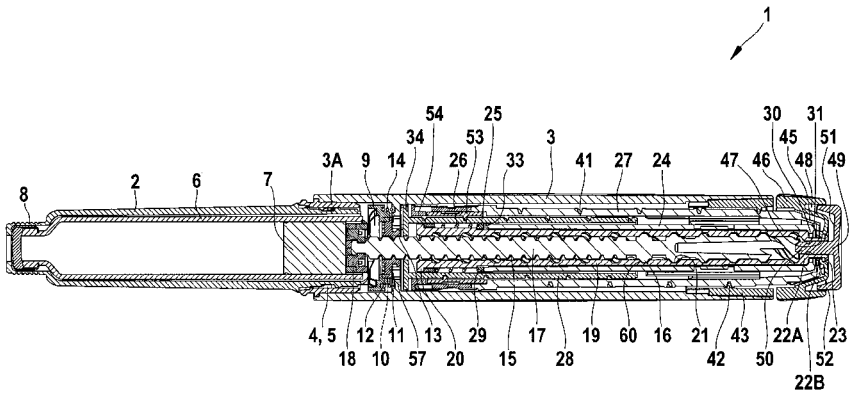


Fig. 1a

(57) **Abstract**: The invention refers to a medication delivery device (1) comprising a housing (3) having a proximal and a distal end, a medication receptacle (2) designed to be engaged with the distal end of the housing (3) by engagement of first engagement means (5) with second engagement means (4) and a dosing mechanism. The dosing mechanism includes a piston rod (17) which is moveable in a distal direction for medication delivery and a drive device for moving the piston rod (17) in the distal direction for medication delivery. The medication receptacle (2) comprises an actuation means (70) for bringing and holding a guiding means (11) in a guiding position in which the guiding means (11) guides the piston rod (17) for medication delivery. The first engagement means (5) and the second engagement means (4) are moveable into engagement by a movement of the medication receptacle (2) which ends in a rotational movement without axial movement of the medication receptacle (2) with respect to the housing (3), the actuation means (70) thereby bringing the guiding means (11) in the guiding position.

WO 2009/132781 A1