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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
12 October 2006 (12.10.2006)

PCT

(10) International Publication Number
WO 2006/106294 A1

(51) International Patent Classification:
A61M 5/20 (2006.01)

(21) International Application Number:
PCT/GB2006/001030

(22) International Filing Date: 21 March 2006 (21.03.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0507002.4 6 April 2005 (06.04.2005) GB

(71) Applicant *(for all designated States except US)*: **CILAG AG INTERNATIONAL** [CH/CH]; Landis & Gyrstrasse 1, CH-6300 (CH).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **JENNINGS, Douglas, Ivan** [GB/GB]; 73 Redwing Rise, Royston, Hertfordshire SG8 7XU (GB). **DEAN, Charles, Michael** [GB/US]; Apt 14F, 8 Peter Cooper Road, 8 Peter Cooper Village, New York, NY 10010 (US).

(74) Agents: **TUNSTALL, Christopher, Stephen** et al.; Carpmaels & Ransford, 43-45 Bloomsbury Square, London WC1A 2RA (GB).

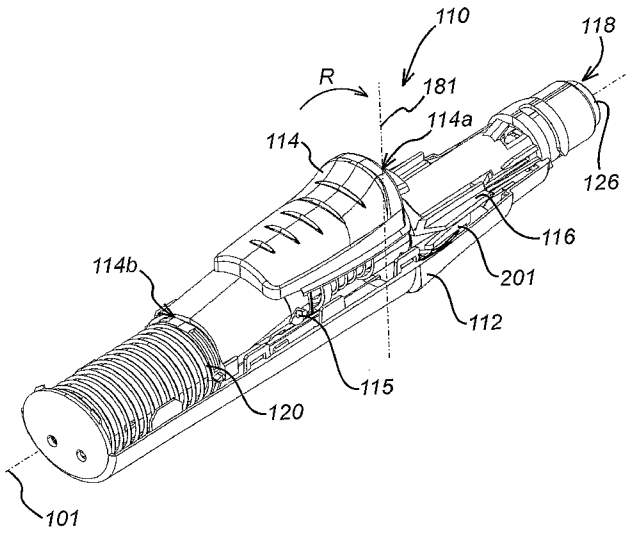
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, HU, IE, IS, IT, LT, LU, LV, MC, NL, 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*

[Continued on next page]

(54) Title: INJECTION DEVICE



(57) Abstract: An injection device (110) comprises a housing (112) adapted to receive a syringe (122) having a discharge nozzle (118) , an actuator (114) and a drive (120) acted upon by the actuator which acts upon the syringe to advance it from a retracted position in which the discharge nozzle is contained within the housing to an extended position in which the discharge nozzle extends from the housing. There is a locking mechanism (HS) in communication with the actuator and activatable to be moved from a locked position in which the actuator is prevented from releasing the drive to an unlocked position in which the actuator is operable to act upon the drive to advance the syringe. The locking mechanism or the housing includes integrally formed biasing means (210) adapted to return the locking mechanism to a locked position when it is not activated. There is no need for separate springs to be used to bias the releasable locking mechanism out of the housing.

WO 2006/106294 A1

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.