



(51) International Patent Classification:

A61M 5/20 (2006.01)

(21) International Application Number:

PCT/EP20 11/060728

(22) International Filing Date:

27 June 2011 (27.06.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10167502.3 28 June 2010 (28.06.2010) EP

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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, 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, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

28 June 2012

(54) Title: NEEDLE SAFETY ARRANGEMENT AND METHOD FOR OPERATING IT

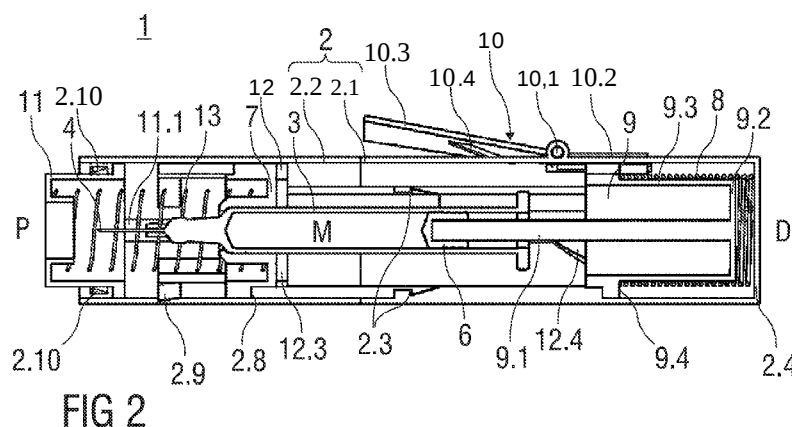


FIG 2

(57) Abstract: The invention refers to an auto-injector (1) for administering a dose of a liquid medicament (M), the auto-injector (1) having a distal end (P) and a proximal end (D) with an orifice intended to be applied against an injection site and comprising: - an elongate housing (2) arranged to contain a syringe (3) with a hollow needle (4) and a stopper (6) for sealing the syringe (3) and displacing the medicament (M), wherein the syringe (3) is slidably arranged with respect to the housing (2), - a drive means (8) capable of, upon activation: - pushing the needle (4) from a retracted position into an advanced position through the orifice and past the proximal end (P), and - operating the syringe (4) to supply the dose of medicament (M), - a plunger (9) for transmitting power from the drive means (8) to the syringe (3) and/or stopper (6), - activating means arranged to lock the drive means (8) in a compressed state prior to manual operation and capable of, upon manual operation, releasing the drive means (8) for injection, characterized in that translation of the needle (4) and the syringe (3) and/or translation of the plunger (9) in longitudinal direction is controlled by at least one ramp (2.5, 9.6, 2.7, 7.2) or one thread so as to cause the syringe (3) and/or the plunger (9) to rotate when translated at least during part of the translation.



INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2011/060728

A. CLASSIFICATION OF SUBJECT MATTER

INV. A61M5/20

ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	wo 2007/066152 A2 (OWEN MUMFORD LTD [GB] ; MARSHALL JEREMY [GB] ; NICHOLLS CLIVE [GB] ; BICK) 14 June 2007 (2007-06-14)	1, 2, 12, 13, 15
Y	page 5, paragraph 4 - page 6, line 14	7
A	page 8, paragraph second last - page 9, paragraph first	4-6, 9-11
	page 11, paragraph 2 - page 12, paragraph 2	
	page 17, paragraph 4 - page 19, paragraph 1; figures 1, 2, 6-8, 9, 14	

X	US 2003/105430 A1 (LAVI GI LAD [US] ET AL) 5 June 2003 (2003-06-05)	1, 3, 8, 12-14
A	paragraphs [0150] - [0152] , [0189] - [0191] , [0235] - [0237] ; figures 2-6, 18-22 , 40-43 , 79-87	4-7 , 9-11

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Further documents are listed in the continuation of Box C.



See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search

5 April 2012

Date of mailing of the international search report

17/04/2012

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2011/060728

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	wo 01/45776 AI (MDC INVEST HOLDINGS INC [US] ; HALSETH THOR R [US] ; BARKER JOHN [US] ; B) 28 June 2001 (2001-06-28) page 17, last paragraph - page 19, paragraph first; figures 8,8A,8B -----	7
A	wo 2008/110322 AI (RESELLI SERGIO [IT]) 18 September 2008 (2008-09-18) page 8, paragraph second last; figures 6-8 -----	7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2011/060728

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