

(12) International Application Status Report

Received at International Bureau: 06 June 2018 (06.06.2018)

Information valid as of: 15 June 2018 (15.06.2018)

Report generated on: 18 April 2019 (18.04.2019)

(10) Publication number:

WO2018/224805

(43) Publication date:

13 December 2018 (13.12.2018)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/GB2018/051436

(22) Filing Date:

25 May 2018 (25.05.2018)

(25) Filing language:

English (EN)

(31) Priority number(s):

1709072.1 (GB)

(31) Priority date(s):

07 June 2017 (07.06.2017)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

A61M 5/24 (2006.01); A61M 5/32 (2006.01)

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(54) Title (EN): INJECTOR DEVICES

(54) Title (FR): DISPOSITIFS D'INJECTION

(57) Abstract:

(EN): An injector device comprises a needle support member (6,13) for supporting a distal end of a needle (4) within a collar region (3) of the device. On insertion of the neck of a drug cartridge (10) into the collar region (3), the tip of the needle (4B) pierces a septum (9) in the drug cartridge and is thereafter supported by the septum (9). The needle support member (6, 13) is then displaced by the drug cartridge (10) as it moves further into the collar region (3). The displacement may comprise hinging or sliding of the support member (6, 13). By supporting the needle (4B) as it pierces the septum (9) and by providing controlled resistance to rapid or violent insertion of the drug cartridge (10), the needle support member (6,13, 15) enables a single, fine needle (4) to be used for both the distal end and the proximal end without buckling, even if the needle (4) is curved so that the two ends are mutually inclined.

(FR): L'invention concerne un dispositif d'injecteur qui comprend un élément de support d'aiguille (6,13) pour supporter une extrémité distale d'une aiguille (4) à l'intérieur d'une région de collier (3) du dispositif. Lors de l'insertion du col d'une cartouche de médicament (10) dans la région de collier (3), la pointe de l'aiguille (4B) perce un septum (9) dans la cartouche de médicament et est ensuite supportée par le septum (9). L'élément de support d'aiguille (6, 13) est ensuite déplacé par la cartouche de médicament (10) lorsqu'il se déplace davantage dans la région de collier (3). Le déplacement peut comprendre l'articulation ou le coulissement de l'élément de support (6, 13). En supportant l'aiguille (4B) lorsqu'elle perce le septum (9) et en fournissant une résistance contrôlée à l'insertion rapide ou violente de la cartouche de médicament (10), l'élément de support d'aiguille (6,13, 15) permet d'utiliser une seule aiguille fine (4) à la fois pour l'extrémité distale et l'extrémité proximale sans gondolage, même si l'aiguille (4) est incurvée de sorte que les deux extrémités soient mutuellement inclinées.

International search report:

Received at International Bureau: 20 August 2018 (20.08.2018) [EP]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

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, JO, 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

European Patent Office (EPO) : 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

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG

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Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM