

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

(19) World Intellectual Property  
Organization  
International Bureau

(43) International Publication Date  
31 July 2025 (31.07.2025)



(10) International Publication Number  
**WO 2025/157884 A1**

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

(21) International Application Number:  
PCT/EP2025/051603

(22) International Filing Date:  
23 January 2025 (23.01.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
24315020.8 24 January 2024 (24.01.2024) EP

(71) Applicant: **SANOFI** [FR/FR]; 46 avenue de la Grande Armée, 75017 Paris (FR).

(72) Inventors: **AVERY, Richard James Vincent**; c/o DCA Design International Ltd, 19 Church St., Warwick, Warwickshire CV34 4AB (GB). **DRAPER, Paul Richard**; c/o DCA Design International Ltd, 19 Church St., Warwick, Warwickshire CV34 4AB (GB). **LE MASURIER, Louis Robert**; c/o DCA Design International Ltd, 19 Church St., Warwick, Warwickshire CV34 4AB (GB). **PLUMPTRE,**

**David Aubrey**; c/o DCA Design International Ltd, 19 Church St., Warwick, Warwickshire CV34 4AB (GB).

(74) Agent: **KEIL & SCHAAFHAUSEN PATENTANWÄLTE PARTGMBB**; Bockenheimer Landstraße 25, 60325 Frankfurt am Main (DE).

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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,

(54) Title: ELECTRONIC ADD-ON MODULE COMPRISING A MICROSWITCH

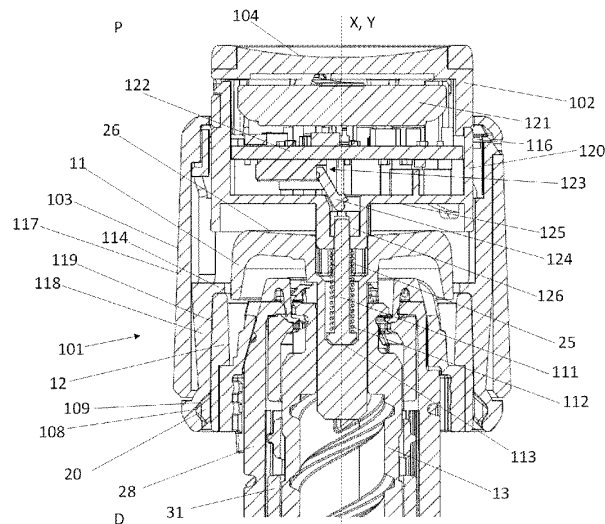


Fig. 13A

(57) Abstract: The present invention relates to an electronic add-on module (100) for releasable attachment to a drug delivery device (1). In order to provide an electronic add-on module with an improved operation of a switch configured to power electronic components of the electronic add-on module, the electronic add-on module additionally comprises a push element (111) elastically biased in a first direction at least substantially parallel to a first longitudinal axis (X) and configured to be moved and/or deformed relative to a circuit board assembly (122) in a second direction which is opposite to the first direction in order to operate a microswitch (123).

[Continued on next page]

DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT,  
LU, LV, MC, ME, 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).

**Declarations under Rule 4.17:**

— *of inventorship (Rule 4.17(iv))*

**Published:**

— *with international search report (Art. 21(3))*  
— *in black and white; the international application as filed  
contained color or greyscale and is available for download  
from PATENTSCOPE*