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[Continued on next page]

(54) Title: DRUG DELIVERY DEVICES AND METHOD OF ASSEMBLY

(57) Abstract: A drug delivery device for dispensing of a dose of a medicinal product, comprising a holder (14) for a product-containing cartridge (16), the cartridge (16) having a piston (18) slidably arranged therein in an axial direction, a piston rod (12) to be operably engaged with the cartridge's piston (18) for dispensing of a dose of the medicinal product, and at least one spacer (20) being selected according to a relative distance between piston (18) and piston rod (12) and being disposed between the piston rod (12) and the piston (18) for eliminating axial clearance between piston (18) and piston rod (12).

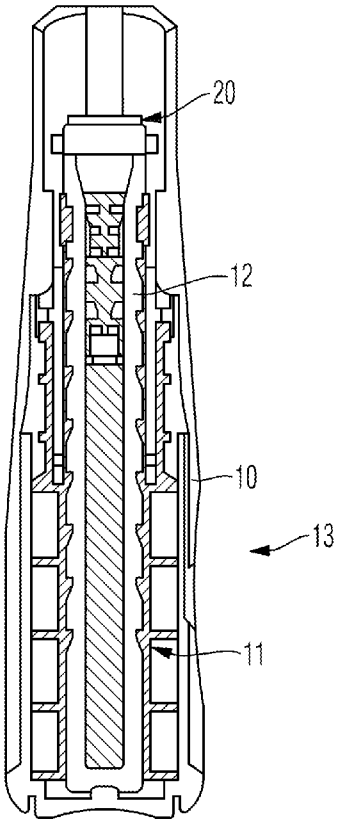


Fig. 3

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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.

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A. CLASSIFICATION OF SUBJECT MATTER
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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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 196 999 B1 (GOETHEL JAMES H [US] ET AL) 6 March 2001 (2001-03-06) abstract; figures 4A-4C	1-13
A	US 5 865 805 A (ZIEMBA ROBERT J [US]) 2 February 1999 (1999-02-02) abstract; figure 5	1-13
A	US 5 007 904 A (DENSMORE LARRY L [US] ET AL) 16 April 1991 (1991-04-16) abstract; figure 4	1-13

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☒ See patent family annex.

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Name and mailing address of the ISA/	Authorized officer
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6196999 B1	06-03-2001	US 7300417 B1	27-11-2007
		US 2008033358 A1	07-02-2008
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US 5007904 A	16-04-1991	NONE	