

Title (en)

DEVICE FOR THE AUTOMATIC FILLING OF SYRINGES WITH INJECTION LIQUID

Title (de)

VORRICHTUNG ZUM AUTOMATISCHEN BEFÜLLEN VON SPRITZEN MIT INJEKTIONSFLÜSSIGKEIT

Title (fr)

DISPOSITIF DE REMPLISSAGE AUTOMATIQUE DE SERINGUES AVEC UN LIQUIDE D'INJECTION

Publication

EP 4308461 A2 20240124 (EN)

Application

EP 22723488 A 20220315

Priority

- NL 2027758 A 20210315
- NL 2029520 A 20211027
- NL 2022050141 W 20220315

Abstract (en)

[origin: WO2022197181A2] A device 1 has a syringe holder 17 for several syringes 23 provided with injection needles 37, a vial holder 25 for a vial 27 with injection liquid, and displacement means for moving the vial holder 25 and the syringe holder 17 relative to each other to successively move each of the injection needles 37 into the injection fluid contained in the vial 27. Furthermore, pull-out means are present for moving a plunger 35 of a syringe 23 in order to get the injection liquid from the vial 27 into the respective syringe 23. The device 1 furthermore has input means 9 for inputting data concerning the vial 27 to be used, a processor 8 for controlling the displacement means and the pull-out means, and a data storage unit 10 which is connected to the processor 8 for data exchange and for containing data of each type of vial 27 relating to the actuation of the displacing means and the pull-out means.

IPC 8 full level

B65B 3/00 (2006.01); **B65B 57/00** (2006.01)

CPC (source: EP)

B65B 3/003 (2013.01); **B65B 3/12** (2013.01); **B65B 43/54** (2013.01); **B65B 57/00** (2013.01); **B65B 59/04** (2013.01); **A61M 5/008** (2013.01); **A61M 5/1782** (2013.01)

Citation (search report)

See references of WO 2022197181A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022197181 A2 20220922; **WO 2022197181 A3 20221027**; EP 4308461 A2 20240124

DOCDB simple family (application)

NL 2022050141 W 20220315; EP 22723488 A 20220315