

Title (en)

DEVICE FOR AUTOMATICALLY INJECTING LIQUID PRODUCT COMPRISING AN INJECTION SPRING

Title (de)

VORRICHTUNG ZUM AUTOMATISCHEN INJIZIEREN EINES FLÜSSIGEN PRODUKTS MIT EINER INJEKTIONSFEDER

Title (fr)

DISPOSITIF D'INJECTION AUTOMATIQUE DE PRODUIT LIQUIDE COMPRENANT UN RESSORT D'INJECTION

Publication

EP 3325050 A1 20180530 (FR)

Application

EP 16753412 A 20160722

Priority

- FR 1557075 A 20150724
- FR 2016051912 W 20160722

Abstract (en)

[origin: WO2017017360A1] The automatic injection device comprises an injection spring (24) that is deformable between a compressed state prior to use of the automatic injection device and a relaxed state after injection. It comprises a plunger control member (22) configured to apply a force to a plunger (40) under the action of the injection spring (24) in order to allow the plunger (40) to move in the distal direction of the automatic injection device. The plunger control member (22) bears a stop (118) that is retractable between an active configuration in which it retains the injection spring (24) in the compressed state and a retracted position in which it releases the injection spring (24). The automatic injection device also comprises a locking member (122) for locking the retractable stop (118) in its active configuration, this locking member (122) being able to adopt a locking position in which it applies pressure to the retractable stop (118) to prevent it from adopting its retracted configuration, and an unlocking position in which the retractable stop (118) is released.

IPC 8 full level

A61M 5/20 (2006.01)

CPC (source: EP US)

A61M 5/20 (2013.01 - EP US); **A61M 5/2033** (2013.01 - EP US); **A61M 5/3202** (2013.01 - US); **A61M 2005/2073** (2013.01 - US); **A61M 2005/2086** (2013.01 - US); **A61M 2205/0216** (2013.01 - US)

Citation (search report)

See references of WO 2017017360A1

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

DOCDB simple family (publication)

FR 3039069 A1 20170127; **FR 3039069 B1 20210723**; BR 112018001390 A2 20180911; CN 107921209 A 20180417; EP 3325050 A1 20180530; JP 2018520805 A 20180802; US 2018311438 A1 20181101; WO 2017017360 A1 20170202

DOCDB simple family (application)

FR 1557075 A 20150724; BR 112018001390 A 20160722; CN 201680049128 A 20160722; EP 16753412 A 20160722; FR 2016051912 W 20160722; JP 2018503494 A 20160722; US 201615747340 A 20160722