

Title (en)

DEVICE FOR CONTROLLING AN INJECTOR

Title (de)

VORRICHTUNG ZUM STEUERN EINES INJEKTORS

Title (fr)

DISPOSITIF SERVANT À COMMANDER UN INJECTEUR

Publication

EP 3655643 A1 20200527 (DE)

Application

EP 18745562 A 20180720

Priority

- DE 102017116367 A 20170720
- EP 2018069838 W 20180720

Abstract (en)

[origin: WO2019016399A1] Device for controlling an injector, comprising: a passage space which can be closed off on one of its two sides by an armature element in order to thereby optionally separate a fluid high-pressure region from a fluid low-pressure region of the injector, a control space for applying a variable pressure to an injector component, preferably an injector needle, a valve which is arranged between another of the two sides of the passage space and the control space, a first connection which connects the high-pressure region of the injector to the passage space, and a second connection which connects the passage space to the control space, wherein the valve is configured to establish a direct connection between the high-pressure region and the control space if the pressure level in the passage space is equal to or higher than a predetermined value.

IPC 8 full level

F02M 63/00 (2006.01); **F02M 47/02** (2006.01)

CPC (source: EP US)

F02M 47/027 (2013.01 - EP US); **F02M 63/0045** (2013.01 - EP US); **F02M 63/0056** (2013.01 - EP); **F02M 63/0075** (2013.01 - EP US); **F02M 63/0078** (2013.01 - EP US); **F02M 2200/28** (2013.01 - EP)

Citation (search report)

See references of WO 2019016399A1

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)

WO 2019016399 A1 20190124; CN 111051681 A 20200421; CN 111051681 B 20220419; DE 102017116367 A1 20190124; EP 3655643 A1 20200527; EP 3655643 B1 20220511; ES 2921909 T3 20220902; US 11608805 B2 20230321; US 2020271080 A1 20200827

DOCDB simple family (application)

EP 2018069838 W 20180720; CN 201880048538 A 20180720; DE 102017116367 A 20170720; EP 18745562 A 20180720; ES 18745562 T 20180720; US 201816632527 A 20180720