

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)

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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

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