

Title (en)

FUEL INJECTION VALVE FOR COMBUSTION ENGINES

Title (de)

BRENNSTOFFEINSPRITZVENTIL FÜR VERBRENNUNGSKRAFTMASCHINEN

Title (fr)

SOUPAPE D'INJECTION DE CARBURANT POUR DES MOTEURS À COMBUSTION INTERNE

Publication

EP 3990770 A1 20220504 (DE)

Application

EP 20734891 A 20200623

Priority

- CH 8512019 A 20190625
- EP 2020067509 W 20200623

Abstract (en)

[origin: WO2020260285A1] The fuel injection valve (10) has a hydraulic control device (72) for controlling the axial movement of the injection valve member (56). The stem (76) of the intermediate valve member (78) of mushroom-shaped configuration of the intermediate valve (83) is guided in a sliding fit in the guide recess (74) of the intermediate part (66). The intermediate valve member (78) separates the control chamber (70) from the valve chamber (44) apart from the throttle passage (90) which is configured on the intermediate valve member. Furthermore, the throttle inlet (96) which is connected to the high pressure chamber (26) is configured on the intermediate valve member (78).

IPC 8 full level

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

CPC (source: EP)

F02M 47/025 (2013.01); **F02M 63/0029** (2013.01); **F02M 63/0043** (2013.01); **F02M 47/027** (2013.01); **F02M 63/0015** (2013.01); **F02M 63/0225** (2013.01); **F02M 2200/28** (2013.01)

Citation (search report)

See references of WO 2020260285A1

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Designated extension state (EPC)

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