

Title (en)

APPARATUS TO INJECT FUEL IN THE COMBUSTION CHAMBER OF A COMBUSTION ENGINE

Title (de)

VORRICHTUNG ZUM EINSPRITZEN VON BRENNSTOFF IN DEN BRENNRAUM EINER VEBRENNUNGSKRAFTMASCHINE

Title (fr)

DISPOSITIF POUR L'INJECTION DE CARBURANT DANS UNE CHAMBRE DE COMBUSTION D'UN MOTEUR À COMBUSTION

Publication

EP 2961977 A1 20160106 (DE)

Application

EP 14708195 A 20140219

Priority

- CH 5342013 A 20130301
- EP 2014000447 W 20140219

Abstract (en)

[origin: WO2014131497A1] The housing (18) of the fuel injection valve (10) of the device for intermittently injecting fuel into the combustion chamber of an internal combustion engine comprises a high-pressure inlet (34) with a conical sealing face (44). The high-pressure chamber (36) is disposed in the housing (18) from the high-pressure inlet (34). A cartridge-like, independent component (56) is inserted into the high-pressure chamber (36). Said component comprises the valve carrier (46), the non-return valve (48), the holding element (50), and preferably the filter body (52'). The valve carrier (46) is provided with a conical outer sealing face (69), by which the valve carrier rests against the conical sealing face (44). A fixing element (74) presses the supply line (16) against the valve carrier (46).

IPC 8 full level

F02M 55/00 (2006.01); **F02M 47/02** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)

F02M 47/027 (2013.01 - EP US); **F02M 55/005** (2013.01 - EP US); **F02M 55/008** (2013.01 - EP US); **F02M 61/04** (2013.01 - US); **F02M 61/165** (2013.01 - EP US); **F02M 67/10** (2013.01 - US); **F02M 2200/28** (2013.01 - EP US); **F02M 2200/40** (2013.01 - EP US)

Citation (search report)

See references of WO 2014131497A1

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Designated extension state (EPC)

BA ME

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