

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

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Application

EP 14708195 A 20140219

Priority

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- 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

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CPC (source: EP US)

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