

Title (en)

PRESSURE-BOOSTED FUEL INJECTION DEVICE COMPRISING AN INTERNAL CONTROL LINE

Title (de)

DRUCKVERSTÄRKTE KRAFTSTOFFEINSPRITZEINRICHTUNG MIT INNENLIEGENDER STEUERLEITUNG

Title (fr)

DISPOSITIF D'INJECTION DE CARBURANT A PRESSION MULTIPLIEE, POURVU D'UNE CONDUITE DE COMMANDE INTERNE

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Application

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Priority

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Abstract (en)

[origin: WO2004036027A1] The invention relates to a fuel injection device (1) comprising a multi-piece injector member (4; 8, 9, 10) which accommodates a pressure booster (11). Said pressure booster (11) can be actuated via a differential pressure chamber (17) and is provided with a pressure-boosting piston (14) which separates a working chamber (12) from the differential pressure chamber (17). The inventive fuel injection device (1) also comprises an on-off valve (5, 70) which is disposed above the injector member (4; 8, 9, 10) and via which the fuel injection device (1) can be actuated. The pressure within the differential pressure chamber (17) of the pressure booster is modified via a central control line (31) which extends through the pressure-boosting piston (14) of the pressure booster.

IPC 8 full level

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