

Title (en)

FUEL INJECTOR SWITCH VALVE FOR THE COMPRESSION/DECOMPRESSION OF A CONTROL CHAMBER

Title (de)

KRAFTSTOFFINJEKTOR-SCHALTVENTIL ZUR DRUCKENTLASTUNG/BELASTUNG EINES STEUERRAUMES

Title (fr)

SOUPAPE DE COMMANDE D'UN INJECTEUR DE CARBURANT POUR LA COMPRESSION/DECOMPRESSION D'UNE CHAMBRE DE COMMANDE

Publication

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Application

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Abstract (en)

[origin: WO03004864A1] The invention relates to a fuel switch valve for an internal combustion engine comprising an injector body (1), wherein the housing thereof (2) accommodates a displaceable nozzle needle (23) which opens or closes the injection openings. Said nozzle needle (23) is actuated by means of a control chamber (20) which can be decompressed and impinged upon by high-pressure fuel from a high-pressure source via a feed (13). The housing (2) of the injector body (1) includes a valve chamber (5) for a multiple-way valve. The control chamber (20) is connected to the valve chamber (5) of the multiple-way valve by channel (16), which in relation to the control chamber (20), can be impinged upon both in the direction of decompression (17) as well as in the direction of compression (18).

IPC 8 full level

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