

Title (en)
FUEL INJECTION VALVE

Title (de)
KRAFTSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

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Application
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Abstract (en)
[origin: WO0212707A1] A fuel injection valve (1) for internal combustion engines, comprises a valve housing (4), an axially displaceable valve body for opening and closing an injection opening, a needle (16) which works in the closing direction of the valve body and which runs in a drilling (11) in a valve piece (12) fitted in the valve housing and which encloses a control pressure chamber (14) in the valve piece. Said chamber may be connected to a high pressure fuel connection (16), by means of an inlet channel (15) branching radially from the control pressure chamber (14) with at least one inlet throttle (51) and to a low pressure fuel connector (10), by means of an outlet channel (17) with an outlet throttle (18) and which may be closed by a valve control body (25). According to the invention, the fuel flow through the inlet throttle (51) may be adjusted, whereby an adjusting body (50) which may be moved and fixed from outside the valve housing is arranged in a through opening (7) in the valve housing (4), running radially to the axis of the drilling and with a throttle needle (51), facing the pressure control chamber (14), which may be introduced into an inlet opening (54) in the inlet channel (51), in order to adjust the cross-section of the flow in the inlet channel (15).

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