

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

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Abstract (en)
[origin: WO03040545A1] The invention relates to a fuel injection valve (1) for directly injecting fuel into the combustion chamber of an internal combustion engine, comprising: a piezoelectric actuator (2), which is encapsulated in an actuator housing (3); a valve needle (9), which is actively connected to the actuator and on which a valve closing body (11) is provided that forms a tight seat with the valve seating (13), and; a nozzle body (12) into which the actuator housing (3) can be introduced. The actuator housing (3) and the nozzle body (12) are closed by a common connection part (4), whereby the connection part (4) has a first and a second diameter step (19; 20).

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