

Title (en)

ADJUSTABLE PRESSURE REGULATING VALVE FOR FUEL INJECTION SYSTEMS

Title (de)

EINSTELLBARES DRUCKREGELVENTIL FÜR KRAFTSTOFFEINSPRITZSYSTEME

Title (fr)

SOUPAPE REGLABLE DE REGULATION DE PRESSION POUR SYSTEMES D'INJECTION DE CARBURANT

Publication

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Application

**EP 03704232 A 20030120**

Priority

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Abstract (en)

[origin: WO03083286A1] The invention relates to a fuel injection system for internal combustion engines. Said fuel injection system comprises a high-pressure accumulator chamber (15) that is impinged upon with highly pressurized fuel via a high-pressure conveyor unit (8) and that supplies the fuel injectors (19) with fuel. The high-pressure conveyor unit (8) is associated with a pressure regulating valve (12) that is disposed between a high-pressure side (10, 56) and a low-pressure side (11, 63) and comprises a valve element (54) which is actuated via an electric actuator (47). The pressure regulating valve (12) comprises a housing component (41) with a deformable zone (57) via which a gap L is adjusted between surfaces (48, 49) of an electrically actuated actuator unit (45, 47) when the pressure regulating valve (12) is assembled on a receiving body (52).

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