

Title (en)

HIGH-PRESSURE ACCUMULATOR FOR FUEL INJECTION SYSTEMS WITH INTEGRATED PRESSURE CONTROL VALVE

Title (de)

HOCHDRUCKSPEICHER FÜR KRAFTSTOFFEINSPRITZSYSTEME MIT INTEGRIERTEM DRUCKREGELVENTIL

Title (fr)

ACCUMULATEUR HAUTE PRESSION POUR SYSTEMES D'INJECTION DE CARBURANT AVEC SOUPEPE DE REGULATION DE PRESSION INTEGREE

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Application

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Abstract (en)

[origin: WO03100247A1] The invention relates to a fuel injection system for internal combustion engines, comprising a high-pressure accumulator compartment (15). Said high-pressure accumulator compartment (15) is impinged upon with highly pressurized fuel by a high-pressure feed unit (8) and supplies the fuel injectors (19, 23) with fuel. The fuel injection system comprises a pressure control valve (57) that is disposed between a high pressure side (33) and a low pressure side (50, 51, 52) and that actuates a valve element (47). The pressure control valve (57) is actuated by means of an electric actuator (46). The pressure control valve (57), with a front (53), delimits the low pressure zone (50, 51, 52) on the high-pressure accumulator compartment (15) and is sealed off by means of a low pressure seal (54).

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