

Title (en)

FUEL INJECTION SYSTEM FOR AN INTERNAL COMBUSTION ENGINE COMPRISING A HIGH-PRESSURE PUMP AND TWO PRESSURE ACCUMULATORS

Title (de)

KRAFTSTOFFEINSPRITZSYSTEM FÜR EINE BRENNKRAFTMASCHINE, MIT EINER HOCHDRUCKPUMPE UND ZWEI DRUCKSPEICHERN

Title (fr)

SYSTEME D'INJECTION DE CARBURANT POUR UN MOTEUR A COMBUSTION INTERNE, COMPRENANT UNE POMPE HAUTE PRESSION ET DEUX ACCUMULATEURS DE PRESSION

Publication

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Application

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Abstract (en)

[origin: DE19910971A1] The invention relates to a fuel injection system for an internal combustion engine comprising at least two different high system pressures, whereby a first pressure accumulator (4) which is supplied by a high-pressure pump (3) is provided for the higher system pressure and a second pressure accumulator (6) is provided for the lower system pressure. At least the first pressure accumulator (4) can be connected via a line to the injectors (10) of the individual cylinders of the internal combustion engine in order to effect a fuel injection. The pressure level of the high-pressure pump (3) is greater than the higher system pressure and the first pressure accumulator (4) has a first pressure control valve (5) leading to the second pressure accumulator (6), and the second pressure accumulator (6) comprises a second pressure control valve (7).

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