

Title (en)

SEAT/SLIDING VALVE COMPRISING A PRESSURE COMPENSATION PIN

Title (de)

SITZ/SCHIEBER-VENTIL MIT DRUCKAUSGLEICHSSSTIFT

Title (fr)

SOUPAPE A SIEGE/COULISSE COMPORTANT UNE TIGE DE COMPENSATION DE PRESSION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO02073028A2] The invention relates to a 3/2-directional control valve for controlling the injection of motor fuel in a common-rail-injection system in an internal combustion engine. Said valve has a first position wherein an injection nozzle is joined to a fuel return pipe, and a second position wherein the injection nozzle is connected to a high pressure fuel accumulator. The aim of the invention is to improve the function and the quality of the injection. As a result said 3/2-directional control valve comprises a force compensated control piston (44) whereby the control edge of the control piston (44) is pressure compensated by a pocket hole (50).

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