

Title (en)
FUEL INJECTION VALVE

Title (de)
KRAFTSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

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Application
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Abstract (en)
[origin: DE19940301A1] The invention relates to a fuel injection valve comprised of a valve body (10) and of a control pressure chamber (16) which is configured therein and which is occluded on one side by an actuating part (14) for a nozzle needle. Said actuating part can be displaced inside the control pressure chamber (16) between a closed position and an opened position. The inventive fuel injection valve is also comprised of an inlet (18) leading into the control pressure chamber and of an outlet (20) which leads out of the control pressure chamber and which is controlled by a control valve (24). The aim of the invention is to increase the opening speed of the nozzle needle. To this end, the opening (40) of the inlet (18) leading into the control pressure chamber is arranged in such a way that it is at least partially occluded by the actuating part (14) when the actuating part (14) moves out of the closed position and into the opened position.

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