

Title (en)  
FUEL INJECTION VALVE

Title (de)  
KRAFTSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE CARBURANT

Publication  
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Application  
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Abstract (en)  
[origin: WO0159289A2] The invention concerns a fuel injection valve, comprising a valve body (10), a control pressure chamber (16) formed therein that is closed on one side by an actuating element (14) for a valve needle (12), said needle being controlled by the actuating element and movable between a closed position and an open position, an inlet (18) to the control pressure chamber and an outlet (20) from the control pressure chamber, which is controlled by a control valve (24). The invention aims at enabling a partial opening stroke of the valve needle, wherein the amount of injected fuel is dosed in a highly precise manner. To this end, a movable throttle piston is provided that, in a first position, enables a partial opening stroke of the valve needle from the closed position against little resistance and which, in a second position, enables a residual opening stroke of the valve needle (12) into the opening position following the partial opening stroke but only against greater resistance.

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