

Title (en)

FUEL INJECTION VALVE FREE OF LOSS

Title (de)

VERLUSTFREIES BRENNSTOFFEINSPRITZVENTIL

Title (fr)

SOUPAPE D'INJECTION DE CARBURANT SANS Perte

Publication

EP 1620645 B1 20091007 (DE)

Application

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Abstract (en)

[origin: WO2004099603A1] The invention relates to a fuel injection valve for intermittently injecting fuel into the combustion chamber of an internal combustion engine. Said valve comprises a membrane (46) which separates the control chamber (48), and thus the high-pressure chamber (24), from the actuator arrangement (44) in a tight manner, thus ensuring that there is no loss of fuel under very high pressure. The movement of the membrane (46) by means of the actuator arrangement (44) enables the needle-type injection valve member (22) to be lifted from the injection valve seat (20) for an injection process and moved towards the same in order to end the injection process.

IPC 8 full level

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