

Title (en)
FUEL INJECTOR FOR INTERNAL COMBUSTION ENGINES

Title (de)
KRAFTSTOFFINJEKTOR FÜR BRENNKRAFTMASCHINEN

Title (fr)
INJECTEUR DE CARBURANT POUR MOTEURS À COMBUSTION INTERNE

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Application
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Abstract (en)
[origin: WO2010081574A1] The invention relates to a fuel injector for internal combustion engines, having a pressure chamber (16) formed in a housing (10), in which a nozzle needle (15) is disposed having an adjustable stroke. The pressure chamber (16) is divided into a stored pressure chamber (26) away from the nozzle needle seat and a nozzle needle pressure chamber (25) near the nozzle needle seat, wherein a hydraulic throttle element (40) designed as an annular gap throttle is disposed between the stored pressure chamber (26) and the nozzle needle pressure chamber (25). At least two annular gap throttle elements (41.1 to 41.n) are disposed one after another in the fuel flow direction at the nozzle needle (15).

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