

Title (en)

FUEL INJECTION VALVE FOR INTERNAL COMBUSTION ENGINES

Title (de)

KRAFTSTOFFEINSPRITZVENTIL FÜR BRENNKRAFTMASCHINEN

Title (fr)

SOUPAPE D'INJECTION DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE

Publication

**EP 1076771 B1 20040317 (DE)**

Application

**EP 99932634 A 19990505**

Priority

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Abstract (en)

[origin: WO9957433A2] The invention relates to a fuel injection valve comprising a nozzle body (300) which has a central guiding bore hole (312) and a supply channel (338) located to the side of the guiding bore hole (312). Both the bore hole and the supply channel open into a pressure chamber (334). A parting wall (346) having a smallest possible wall thickness is situated between the bore hole and the supply channel. The nozzle body (300) has a shoulder on the front end thereof, whereby the supply channel (338) projects more steeply into the pressure chamber (334), resulting in an increased wall thickness. As a result, the nozzle body (300) exhibits a greater resistance to pressure.

IPC 1-7

**F02M 61/16**; **F02M 61/10**

IPC 8 full level

**F02M 61/10** (2006.01); **F02M 61/16** (2006.01)

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