

Title (en)
FUEL INJECTION DEVICE FOR INTERNAL COMBUSTION ENGINES

Title (de)
KRAFTSTOFFEINSPRITZVORRICHTUNG FÜR BRENNKRAFTMASCHINEN

Title (fr)
DISPOSITIF D'INJECTION DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE

Publication
EP 0845077 A1 19980603 (DE)

Application
EP 97906987 A 19970109

Priority
• DE 9700019 W 19970109
• DE 19624001 A 19960615

Abstract (en)
[origin: DE19624001A1] In a fuel injection device for internal combustion engines, a fuel injection valve has a plunger (21) which actuates an injection valve member and which delimits a control chamber (25) which is constantly supplied with high pressure fuel through a choke (27) and which can be discharged through a control valve (36) and an outflow channel (129). The control valve (36) has for that purpose a valve member (44) actuated by a piezoelectric element (35) in such a way that the valve member is moved towards the control chamber (25) when the outflow channel (129) is opened. In the closed position, the valve member (44) is pushed in the closing direction by the pressure in the control chamber (25).

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See references of WO 9748900A1

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