

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1336046 A2 20030820 (DE)

Application
EP 01993759 A 20011109

Priority
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Abstract (en)
[origin: WO0238944A2] A fuel injection valve (1) for internal combustion engine fuel injection systems, comprising a valve needle (3) and a valve sealing body (4) which cooperates therewith and interacts with a valve seat surface (6) arranged in a valve seat body (5) in order to produce a tight seat. At least one turbulence channel is disposed downstream from the tight seat and provided with a tangential component in relation to a longitudinal axis (38) of the fuel injection valve (1). An axial channel (35) is provided between the valve sealing body (4) and the guide recess (34) of the turbulence disk (31), comprising an axial component in relation to the longitudinal axis (38) of the fuel injection valve (1). The axial channel (35) is configured as an annular gap and has a throughflow limiting part (36) and an expanded part (37).

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