

Title (en)

Fuel injector for internal combustion engines

Title (de)

Kraftstoff-Einspritzdüse für Brennkraftmaschinen

Title (fr)

Injecteur de carburant pour moteurs à combustion interne

Publication

EP 0656474 B1 19990217 (DE)

Application

EP 94117580 A 19941108

Priority

DE 4340883 A 19931201

Abstract (en)

[origin: EP0656474A1] A fuel injector for internal combustion engines has a nozzle body (10) with a valve seat (18) arranged on the combustion chamber side and an outwards opening valve needle (15) with a closing head (16), which has a closing cone (17) interacting with the valve seat (18). In the closing head (16) at least one spray hole (25), directed outwards to the lifting axis thereof, is arranged, which is opened by a control edge (24) on the nozzle body as a function of the fuel admission pressure. In order to minimise any deviation of the spray jet emerging from the spray hole (25) relative to the alignment of the spray hole, the spray hole (25) is divided into at least two or more parallel passages (52, 53), which are separated from one another by a dividing wall (55) and are successively exposed by the control edge (24) during the opening lift of the valve needle. <IMAGE>

IPC 1-7

F02M 61/08; **F02M 61/18**

IPC 8 full level

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