

Title (en)

MULTI-FAN-JET NOZZLE AND A FUEL INJECTION VALVE PROVIDED WITH SAID NOZZLE

Title (de)

MULTI-FÄCHERSTRAHL-DÜSE UND BRENNSTOFFEINSPRITZVENTIL MIT MULTI-FÄCHERSTRAHL-DÜSE

Title (fr)

BUSE A JETS MULTIPLES EN EVENTAIL ET SOUPAPE D'INJECTION DE CARBURANT POURVUE D'UNE TELLE BUSE

Publication

EP 1836387 B1 20100908 (DE)

Application

EP 05811079 A 20051102

Priority

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Abstract (en)

[origin: WO2006072487A1] The invention relates to a fuel injection valve which is characterised in that a multi-fan-jet nozzle (23) is placed downstream from a the valve seat body (16) provided with a fixed valve seat (29). Said multi-fan-jet nozzle (23) is disc-shaped and comprises a central vaulted coupling nozzle area (28) which is elliptically extendable. A plurality of spraying slots (30), for example in a parallel direction manner, is arranged in said nozzle area (28) of the multi-fan-jet nozzle (23) in the form of a spraying device. Said fuel injection valve is particularly suitable for the fuel injection systems of mixture-compressing externally ignited internal combustion engines.

IPC 8 full level

F02M 61/18 (2006.01)

CPC (source: EP US)

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