

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
EP 1112446 B1 20021106 (DE)

Application
EP 99953591 A 19990825

Priority

- DE 9902658 W 19990825
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- DE 19907860 A 19990224

Abstract (en)
[origin: US6938840B1] A fuel injector, in particular a high pressure injector for direct injection of fuel into a combustion chamber of an internal combustion engine having externally supplied ignition and mixture compression, is characterized in that a valve needle, which is movable axially along a longitudinal axis of the valve, has a specially designed valve closing section on its downstream end. To open and close the valve, the valve closing section works together with a fixed valve seat. Swirl-producing elements are arranged upstream from the valve seat while a flattened face running perpendicular to the longitudinal axis of the valve is provided on the downstream end of the valve closing section downstream from the valve seat.

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IPC 8 full level
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