

Title (en)

FUEL INJECTION VALVE FOR INTERNAL COMBUSTION ENGINES

Title (de)

KRAFTSTOFFEINSPRITZVENTIL FÜR BRENNKRAFTMASCHINEN

Title (fr)

SOUPAPE D'INJECTION DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE

Publication

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Application

EP 00936813 A 20000526

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Abstract (en)

[origin: DE19925380A1] The invention relates to a fuel injection valve for internal combustion engines, comprising a valve member (3) that is axially displaceable in a valve body (1) and that has a valve sealing surface (5) at its combustion chamber-side end. The valve member interacts with a valve seat surface (7) located on the valve body (1) with said valve sealing surface, forming a tight cross section as it does so. The inventive fuel injection valve further comprises injection openings (13) in the wall of the valve body (1). These injection openings are positioned after the tight cross-section between the valve seat surface (7) and the valve tight surface (5), downstream in the direction of the flow of fuel, and have a conical form. At least two injection openings (13) of the fuel injection valve have different cone angles from each other.

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IPC 8 full level

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