

Title (en)

FUEL INJECTION VALVE OR FUEL INJECTION NOZZLE

Title (de)

BRENNSTOFFEINSPRITZVENTIL ODER BRENNSTOFFEINSPRITZDÜSE

Title (fr)

SOUPAPE D'INJECTION DE CARBURANT OU INJECTEUR DE CARBURANT

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Application

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Abstract (en)

[origin: DE19726727A1] The invention relates to a fuel injection nozzle (1) or a fuel injection valve with a nozzle body (2) extending along a longitudinal axis (3). The valve seat surface (13) is configured on said body and interacts with a valve closing surface (15) arranged on the valve closing body (14) to form a valve seat. When the fuel injection valve or the fuel injection nozzle is open, at least one fuel jet (17) is injected having a radial directional component relative to the longitudinal axis (3) of the nozzle body (2). According to the invention, a sheath (4) is provided, which protrudes over axially above the fuel jet (17) in the direction of the longitudinal axis (3). The sheath (4) has an impact surface (19) which is impacted upon by the fuel jet (17). The impact surface (19) is slanted at a given angle (α) in relation to a vertical plane (20) which is vertical to the longitudinal axis (3) and/or the impact surface (19) is grooved.

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