

Title (en)

FUEL INJECTION VALVE FOR INTERNAL COMBUSTION ENGINES

Title (de)

KRAFTSTOFFEINSPRITZVENTIL FÜR BRENNKRAFTMASCHINEN

Title (fr)

SOUPAPE D'INJECTION DE CARBURANT POUR MOTEUR A COMBUSTION INTERNE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO03004867A1] The invention relates to a fuel injection valve for internal combustion engines, comprising a valve body (1) in which a pressure compartment (19) is formed that can be filled with pressurized fuel. At least one injection channel (11) is configured in the valve body (1) and extends from the wall of the pressure compartment (19) where it forms an inlet opening (111). The injection channel (11) links the pressure compartment (19) with the combustion chamber of the internal combustion engine. The inlet opening (111) can be closed or opened by means of a valve needle (5). The inlet opening (111) of the injection channel (11) has an oblong diameter so that injection of the fuel into the combustion chamber is optimized.

IPC 8 full level

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Citation (examination)

US 6105883 A 20000822 - TAKEDA KEISO [JP], et al

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