Title (en)

FUEL INJECTION VALVE

Title (de)

BRENNSTOFFEINSPRITZVENTIL

Title (fr)

INJECTEUR DE CARBURANT

Publication

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Application

EP 12778320 A 20121023

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Abstract (en)

[origin: WO2013091936A1] The invention relates to a fuel injection valve for a fuel injection system of internal combustion engines. The fuel injection valve comprises an electromagnetic actuating element with a solenoid coil (1) having a core (2) and a valve casing (5) as an exterior solenoid circuit component and a moveable valve closing body (19) that operates together with a valve seat surface (16) assigned to a valve seat body (15). The core (2) and a connecting tube (44) have a fixed connection to a thin-walled valve sleeve (6) in an inner opening (11) of the valve sleeve (6) as well as the valve casing (5) on the outer circumference of the valve sleeve (6) by means of pressing in/on. The fixed press connection for every two of these metal components (2, 5, 6, 44) of the fuel injection valve is characterised in that at least one of the component partners has at least two successive zones and/or partial zones (I, II, III) in its press region (a, b, c, a') that have a structure with grooves (61), wherein the profile depth of the grooves (61) of individual zones and/or partial zones (I, II, III) differs.

IPC 8 full level

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CPC (source: EP KR US)

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See references of WO 2013091936A1

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