

Title (en)  
FUEL INJECTION VALVE

Title (de)  
BRENNSTOFFEINSPRITZVENTIL

Title (fr)  
SOUPAPE D'INJECTION DE COMBUSTIBLE

Publication  
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Application  
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Priority  

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Abstract (en)  
[origin: WO2007023069A1] The invention relates to a fuel injection valve for fuel injection systems of internal combustion engines. The fuel injection valve comprises an electromagnetic actuating element with a magnet coil (1), a core (2) and with a valve jacket (5) serving as an outer magnetic circuit component and a moving valve closing body (19), which interacts with a valve seat surface (16) assigned to a valve seat body (15). The core (2) and a connecting tube (44), in an inner opening (11) of a thin-wall valve sleeve (6), and the valve jacket (5), on the outer periphery of the valve sleeve (6), are connected to the valve sleeve (6) in a fixed manner by pressing in/on. The fixed press connection of each of these metallic components (2, 5, 6, 44) of the fuel injection valve is characterized in that at least one of the component partners has, in its press area (a, b, c, a', b', c'), a structure with grooves (61) and/or the respective press area (a, b, c, a', b', c') comprises, in at least one transition to an adjoining component section, an inlet rounding (59).

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