

Title (en)

CONNECTION BETWEEN AN ARMATURE AND A VALVE NEEDLE OF A FUEL INJECTION VALVE

Title (de)

VERBINDUNG ZWISCHEN EINEM ANKER UND EINER VENTILNADEL EINES BRENNSTOFFEINSPRITZVENTILS

Title (fr)

LIAISON ENTRE UN INDUIT ET UN POINTEAU DE SOUPAPE D'UNE SOUPAPE D'INJECTION DE CARBURANT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO02053906A1] The invention relates to a fuel injection valve (1), in particular, for directly injecting fuel into the combustion chamber of a mixture-compressing, spark ignition internal combustion engine. The fuel injection valve comprises an armature (20), which interacts with a magnet coil (10), and comprises a valve needle (3), which is connected to the armature (20) and on which a valve closing body (4) is provided that, together with a valve seat surface (6), forms a tight seat. The valve needle (3) passes through the armature (20) as well as through an extension (15), which is provided on the armature (20), in order to enable a pin (32) to be inserted into a boring (34), which is located in the extension (15) of the armature (20) and which is aligned in an axially and radially congruent manner with a boring (35) located in the valve needle (3). Said pin is inserted into the boring (34) whereby forming an axial pre-travel gap (30) between the armature (20) and the valve needle (3).

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