

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

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Application
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Abstract (en)
[origin: WO0144652A1] The invention relates to a fuel injection valve (1) for fuel injection systems in internal combustion engines. The inventive valve consists of a magnet coil (8), an armature (21) that is impinged upon in the closing direction and by a readjusting spring, and a valve closing body that is connected to the armature (21) in a positive fit. Said body forms a sealing seat together with a valve seat surface. The armature (21) stops at a magnetic pole surface (44) of the magnet body (43) with an armature stop face (42) thereof which is provided with a ring-shaped first edge zone (31a) that is adjacent to an inner edge (47), is situated inside and is inclined towards the inside in relation to a plane and vertically in relation to the longitudinal axis (30) of the armature (21). The stop face is also provided with a ring-shaped second edge zone (31b) that is adjacent to an outer edge (46), is situated outside and is inclined towards the outside in relation to a plane and vertically in relation to the longitudinal axis (30) of the armature (21).

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