

Title (en)
FUEL INJECTION VALVE

Title (de)
BRENNSTOFFEINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT

Publication
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Application
EP 96924774 A 19960726

Priority
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• DE 19547406 A 19951219

Abstract (en)
[origin: DE19547406A1] The invention relates to a fuel injection valve for fuel injection systems of internal combustion engines in which there is an extended, axial, thin-walled, non-magnetic sleeve (12). At the downstream end said sleeve (12) has a base section (20) running substantially perpendicularly to the otherwise axial extent of the sleeve (12) along a longitudinal valve axis (10). A valve needle (28), firmly secured to an armature (24) and a valve closer (30), can move axially in a through aperture (21) in the sleeve (12). The valve closer (30) operates together with a valve seat (35) on a valve seat body (25), where the valve seat body (25) is pressed into the sleeve (12) and, for instance, thus bears on the base section (20) of the sleeve (12). The sleeve (12), in the form of a deep-drawn sheet-metal component, extends axially over more than half the axial length of the fuel injection valve. The fuel injection valve is particularly suitable for use in fuel injection systems of mixture-compressing spark-ignition internal combustion engines.

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