

Title (en)
INJECTION VALVE

Title (de)
EINSPRITZVENTIL

Title (fr)
SOUPAPE D'INJECTION

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Abstract (en)
[origin: WO2014037142A1] The present invention relates to an injection valve (1) for injecting a medium, in particular for injecting fuel into a combustion chamber, comprising: a housing (2) with at least one spray opening (4) on an outlet side (3), a magnet coil (5), a magnet armature (6) that can be moved linearly by the magnet coil (5), a linearly movable valve needle (7) for opening and closing the spray opening (4), a first abutment (11) on a side of the magnet armature (6) facing away from the outlet and a second abutment (12) on a side of the magnet armature (6) facing toward the outlet, wherein the magnet armature (6) is linearly movable with respect to the valve needle (7) between the first abutment (11) and the second abutment (12), and guide element (16) joined to the valve needle (7), wherein an outer surface (18) of the guide element (16) serves as a guide for the linear movement of the magnet armature (6), and wherein the second abutment (12) is an integral constituent part of the guide element (16).

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