

Title (en)
FLUID INJECTION VALVE

Title (de)
EINSPRITZVENTIL FÜR EIN FLUID

Title (fr)
INJECTEUR DE FLUIDE

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Application
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Abstract (en)
[origin: WO2011080002A1] The invention relates to an injection valve for a fluid, especially for fuel, comprising a valve housing (11), a supply connecting piece (23) for the fluid, arranged on a housing end, a nozzle body (12) arranged on the other housing end and comprising a valve seat (16) surrounding a spray opening (17) and a valve chamber (18) mounted upstream of the valve seat, and a fluid-guiding tube (30) extending in the valve housing (11) and connecting the valve chamber (18) to the supply connecting piece (23). In order to obtain a connection between the fluid-guiding tube (30) and the valve chamber (18), that it is easy to produce and assemble and can withstand high operating pressures, an axial blind hole (24) comprising an inner thread and arranged in the nozzle body (12) in such a way that it can be radially moved in relation to the axis of the valve housing (11), and a fluid connection is produced between the blind hole (24) and the valve chamber (18). The fluid-guiding tube (30) is screwed into the blind hole, with its end facing away from the supply connecting piece (23), and the threaded connection (26) is sealed from the blind hole (24).

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