

Title (en)
PIEZO INJECTOR

Title (de)
PIEZOEINJEKTOR

Title (fr)
INJECTEUR PIÉZO-ÉLECTRIQUE

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Application
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Abstract (en)
[origin: WO2014095910A1] The invention relates to a piezo injector with an actuator chamber (170), in which a piezo actuator (180) is arranged. The piezo injector comprises an upper section, the injector body (150) and a lower section, the nozzle body (140). The piezo injector also has a control piston bore (200), which is formed in the nozzle body, wherein a control sleeve (220), in which a control piston (340) is received, is arranged in the control piston bore (200). The control sleeve (220) seals against an intermediate plate (260) with a first front face (240) facing the piezo actuator (180). The control piston (340) has a first side (360) facing the piezo actuator (180), wherein the first front face (360) of the control piston (340) and the section of the control sleeve (220) facing the piezo actuator (180) form a first control chamber (380).

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