

Title (en)
INJECTION DEVICE AND METHOD FOR INJECTING FLUID

Title (de)
EINSPRITZEINRICHTUNG UND VERFAHREN ZUM EINSPRITZEN VON FLUID

Title (fr)
DISPOSITIF D'INJECTION ET PROCEDE D'INJECTION D'UN FLUIDE

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Abstract (en)
[origin: US2003141389A1] The invention relates to an injection system, having a control valve (2), an actuating element for actuating the control valve (2), an injection nozzle which is controllable by the control valve (2) via a pressure buildup or pressure reduction in a control chamber (8), wherein the control valve (2) has at least two switching states, and in a first switching state of the control valve (2), a first pressure is established in the control chamber (8), at which pressure the injection nozzle is closed, and in a second switching state of the control valve (2), a second pressure is established in the control chamber (8), at which the injection nozzle is opened, wherein the control valve (2) has at least one third switching state, in which a third pressure is established in the control chamber (8), which pressure is between the first pressure and the second pressure and at which the injection nozzle is opened. The invention also relates to a method for injecting fluid in which the injection system of the invention is used.

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