

Title (en)  
INJECTOR ASSEMBLY FOR AN INJECTION VALVE

Title (de)  
INJEKTORBAUGRUPPE FÜR EIN EINSPRITZVENTIL

Title (fr)  
ENSEMBLE D'INJECTION POUR UN INJECTEUR

Publication  
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Application  
**EP 10701021 A 20100125**

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Abstract (en)  
[origin: WO2010089217A1] The invention relates to an injector assembly (14) for an injection valve (10) having an injector body (12) having a recess (32) having a fluid entry (23). In a closed position of an axially movable jet needle (34), a fluid flow through at least one injection opening (52) is prevented and otherwise a fluid flow is enabled. The jet needle (34) has a front face (38) turned away from the injection opening (52). The injector assembly (14) has a chamber (22) designed in the injector body (12) that adjoins the front face (38) of the jet needle (34) turned away from the injection opening (52), a throttle module (24) arranged in the chamber (22) in which is designed a fluid supply chamber (54) that is hydraulically coupled to the fluid inlet (23), a control space (56) that is hydraulically coupled to the fluid supply chamber (54) via an inlet throttle (60) for adjusting the pressure force applicable to the jet needle (34), and a valve chamber (58) that is hydraulically coupled to the control space (56) via an outlet throttle (62) for accommodating a valve (28) that is designed to lead fluid into a fluid return line (31) arranged in a control module (26) neighboring the throttle module (24). There are precisely two sealing edges (64, 66) designed between the throttle module (24) and the injector body (12) and/or the control module (26) by means of which additional hydraulic couplings of the fluid supply chamber (54) to the control space (56) and the valve chamber (58) are cut off. A third sealing edge (68) is designed between the injector body (12) and the control module (26).

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