

Title (en)

INJECTION ASSEMBLY FOR AN ACCUMULATOR FUEL-INJECTION SYSTEM OF AN INTERNAL COMBUSTION ENGINE

Title (de)

EINSPRITZANORDNUNG FÜR EIN KRAFTSTOFF-SPEICHEREINSPRITZSYSTEM EINER VERBRENNUNGSMASCHINE

Title (fr)

SYSTEME D'INJECTION POUR SYSTEME ACCUMULATEUR-INJECTEUR DE CARBURANT DE MOTEUR A COMBUSTION INTERNE

Publication

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Application

EP 01929256 A 20010323

Priority

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- DE 10024703 A 20000518

Abstract (en)

[origin: WO0188365A1] The invention relates to an injection assembly for an accumulator fuel-injection system comprising an injection nozzle (18) which projects into a combustion chamber (16) and which can be supplied with fuel from a high-pressure fuel distributor (12) via a high-pressure fuel supply route and a nozzle needle (32) which opens and closes the injection nozzle depending on the pressure in a valve control chamber (58). The fuel is supplied to the valve control chamber by a supply channel (60) branching off from the fuel supply route and opening into said control chamber. The fuel flows out of the valve control chamber via an outflow route (64) originating from said chamber. In addition, an auxiliary channel (72), which opens into the outflow route, branches off from the fuel supply. The outflow route can be shut off downstream of the mouth of the auxiliary channel to prevent the outflow of fuel, using a shut off device (68). To avoid leakages which cannot be used for control purposes, the shut-off device is configured to shut off the auxiliary channel to the outflow of fuel, in such a way that when the outflow route is shut off, the auxiliary channel is open and vice versa.

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Citation (search report)

See references of WO 0188365A1

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