

Title (en)
INJECTOR OF A FUEL INJECTION SYSTEM

Title (de)
INJEKTOR EINES KRAFTSTOFFEINSPRITZSYSTEMS

Title (fr)
INJECTEUR D'UN SYSTÈME D'INJECTION DE CARBURANT

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Application
EP 13718835 A 20130424

Priority
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Abstract (en)
[origin: WO2013174601A1] In the case of an injector of a modular common-rail fuel injection system having a high-pressure accumulator (6) which is integrated into the injector body, the injector (1) comprises an injection nozzle (3) with a nozzle needle (15) which is guided axially displaceably therein and is surrounded by a nozzle chamber (19), a high-pressure bore (8) which connects the high-pressure accumulator (6) to the nozzle chamber (19), a resonator bore (20) which is connected in parallel to the high-pressure bore (8), is connected to the injection nozzle (3) and opens into the high-pressure accumulator (6) via a resonator throttle (21), and a holding body (5) which is screwed on the end side to the component, in particular common rail (25), which forms the high-pressure accumulator (6), and through which holding body (5) the high-pressure bore (8) and the resonator bore (20) run. An end section (32), facing the high-pressure accumulator (6), of the high-pressure bore (8) and an end section (33), facing the high-pressure accumulator (6) and having the resonator throttle (21), of the resonator bore (20) are configured in a separate component (23) which is inserted between the holding body (5) and the common rail (25) and is fixed by the screw connection of holding body (5) and common rail (25).

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