

Title (en)
COMMON RAIL INJECTOR

Title (de)
COMMON-RAIL-INJEKTOR

Title (fr)
INJECTEUR POUR RAMPE D'ALIMENTATION

Publication
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Application
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• DE 19933328 A 19990716

Abstract (en)
[origin: DE19933328A1] The invention relates to a common rail injector for injecting fuel in a common rail injection system of an internal combustion engine. Said common rail injector has an injector housing (1) comprising a fuel supply line (11) which is connected to a central high-pressure fuel accumulator outside the injector housing (1) and a pressure chamber (15) inside the injector housing (1), from which highly-pressurised fuel is injected according to the position of a control valve (18). In a longitudinal bore (3) of the injector housing (1), a nozzle needle (4) which can be displaced back and forth in an axial direction against the pre-tensioning force of a nozzle spring, rises from a seat, when the pressure in the pressure chamber (15) is greater than the pressure in a control chamber (16).

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