

Title (en)

FUEL INJECTOR COMPRISING A PRESSURE-COMPENSATED CONTROL VALVE

Title (de)

KRAFTSTOFFINJEKTOR MIT DRUCKAUSGEGLICHENEM STEUERVENTIL

Title (fr)

INJECTEUR DE CARBURANT COMPORTANT UNE SOUPAPE DE COMMANDE À COMPENSATION DE PRESSION

Publication

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Application

EP 07727029 A 20070319

Priority

- EP 2007052551 W 20070319
- DE 102006021741 A 20060510

Abstract (en)

[origin: US2009308354A1] The invention relates to an injector for injecting fuel into a combustion chamber of an internal combustion engine. According to the invention, an injection valve member, which opens or closes at least one injection opening, is controlled by a control valve. The control valve opens or closes a connection from a control chamber into a fuel return line by the positioning of a closing element in a seat or by the opening of the seat. A bore is embodied in the closing element, and a pin is received in the bore. The diameter of the bore essentially corresponds to the diameter of the seat. The pin is supported on one side against a pressure rod, against a spring seat, or against the injector housing.

IPC 8 full level

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CPC (source: EP US)

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F02M 63/008 (2013.01 - EP US); **F02M 63/0015** (2013.01 - EP US); **F02M 63/0026** (2013.01 - EP US); **F02M 2200/304** (2013.01 - EP US);
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