

Title (en)
PRESSURE REGULATOR FOR A DIESEL FUEL INJECTION SYSTEM

Title (de)
DRUCKREGLER FÜR EIN DIESELEINSPRITZSYSTEM

Title (fr)
RÉGULATEUR DE PRESSION POUR UN SYSTÈME D'INJECTION DIESEL

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Application
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Abstract (en)
[origin: WO2012130521A1] The present invention relates substantially to a pressure regulator for a diesel fuel injection system, to a diesel fuel injection system, preferably to a high-pressure diesel fuel injection system, to a diesel engine provided with such a diesel fuel injection system as well as to a vehicle having such a diesel engine. The pressure regulator comprises an inlet (5) which is connectable to a reservoir of a diesel fuel injection system of a diesel engine, an outlet (7) which is connectable to a low-pressure group, controllable closing means which can be driven by an actuator (13) between a first state in which the inlet (5) and the outlet (7) are hermetically isolated and a second state in which the inlet (5) is connected to the outlet (7), as well as a plurality of spaces (21, 23, 25) arranged on the side of the closing means provided with the outlet (7). A pressure compensation duct (27, 27.1) is provided, which connects at least two (25, 23; 25, 21; 25, 21, 23) of the above-mentioned spaces (21, 23, 25) to each other.

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