

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

Publication
EP 2689126 B1 20170201 (DE)

Application
EP 12704413 A 20120215

Priority
• FR 1100900 A 20110325
• FR 1161438 A 20111212
• EP 2012052593 W 20120215

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.

IPC 8 full level
F02M 63/00 (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP US)
F02M 63/0052 (2013.01 - EP US); **F02M 63/007** (2013.01 - EP US); **F02M 63/0073** (2013.01 - US); **F02M 63/0078** (2013.01 - EP US); **F02M 63/0245** (2013.01 - EP US); **F02M 63/025** (2013.01 - EP US)

Citation (examination)
WO 2012055639 A2 20120503 - BOSCH GMBH ROBERT [DE], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
FR 2973076 A1 20120928; CN 103443441 A 20131211; CN 103443441 B 20161005; EP 2689126 A1 20140129; EP 2689126 B1 20170201; FR 2973077 A1 20120928; FR 2973077 B1 20180511; US 2014070028 A1 20140313; WO 2012130521 A1 20121004

DOCDB simple family (application)
FR 1100900 A 20110325; CN 201280014946 A 20120215; EP 12704413 A 20120215; EP 2012052593 W 20120215; FR 1161438 A 20111212; US 201214006814 A 20120215