

Title (en)

Pressure limiting device and fuel system with such a pressure limiting device

Title (de)

Druckbegrenzungseinrichtung sowie Kraftstoffsystem mit einer solchen Druckbegrenzungseinrichtung

Title (fr)

Dispositif de limitation de pression et système de combustible avec tel dispositif de limitation de pression

Publication

EP 1403509 B1 20060809 (DE)

Application

EP 03003826 A 20030220

Priority

DE 10245084 A 20020927

Abstract (en)

[origin: EP1403509A2] The pressure limiting fuel feed (56) for a motor vehicle has the pressure limiting valve in the fuel pump (30) of a fuel injection system. There is a compensating chamber (82) for short term pressure peaks on each feed pass of the fuel pump to prevent unwanted opening of the pressure limiter (35) in normal operation of the fuel injector. The limiter has a piston (72) with a first connection (74) formed as a throttle between the chamber (82) and a high pressure feed passage. Claims include a fuel feed using the pressure limiter.

IPC 8 full level

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CPC (source: EP)

F02M 55/04 (2013.01); **F02M 63/005** (2013.01); **F02M 63/0225** (2013.01); **F02M 63/0245** (2013.01); **F02M 63/004** (2013.01); **F02M 63/0045** (2013.01); **F02M 2200/315** (2013.01); **F02M 2200/40** (2013.01)

Cited by

EP2670971B1; ITM120101115A1; EP1826396A1; CN111608833A; EP2287462A1; US2014050597A1; EP3059437A1; EP3059439A1; CN108386357A; US10047740B2; US8371268B2; US8240291B2; US10041457B2; WO2014206639A1; WO2009130153A1; WO2012089376A1; WO2009065761A1; WO2008016435A1; WO2011003789A1

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