

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 A3 20050105 (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 1-7

F02M 59/46; **F02M 55/04**; **F02M 63/02**

IPC 8 full level

F02M 37/00 (2006.01); **F02M 47/00** (2006.01); **F02M 55/04** (2006.01); **F02M 59/44** (2006.01); **F02M 59/46** (2006.01); **F02M 63/00** (2006.01); **F02M 63/02** (2006.01)

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)

Citation (search report)

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- [Y] WO 0244549 A2 20020606 - BOSCH GMBH ROBERT [DE], et al
- [DPA] DE 10118936 A1 20021107 - BOSCH GMBH ROBERT [DE]
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- [X] US 5558068 A 19960924 - KUNISHIMA AKIRA [JP], et al

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

EP 1403509 A2 20040331; **EP 1403509 A3 20050105**; **EP 1403509 B1 20060809**; DE 10245084 A1 20040401; DE 50304554 D1 20060921; JP 2004116526 A 20040415

DOCDB simple family (application)

EP 03003826 A 20030220; DE 10245084 A 20020927; DE 50304554 T 20030220; JP 2003332145 A 20030924