

Title (en)

Fuel injection system for internal combustion engines, in particular for diesel engines

Title (de)

Kraftstoffeinspritzsystem für Brennkraftmaschinen, insbesondere Dieselmotoren

Title (fr)

Système d'injection de carburant, en particulier pour moteurs Diesel

Publication

**EP 1262657 A3 20041201 (DE)**

Application

**EP 02008680 A 20020418**

Priority

DE 10125944 A 20010529

Abstract (en)

[origin: EP1262657A2] The fuel injection system has a high pressure fuel pump (14) supplying a common rail (15) provided with fuel injectors (22-25) for each of the engine cylinders. A pressure limiting valve (49) is at least partially integrated in the common rail at the opposite end to the fuel pump, with a low pressure seal between the pressure limiting valve and the common rail.

IPC 1-7

**F02M 63/02**; **F02M 55/02**

IPC 8 full level

**F02M 55/02** (2006.01); **F02M 59/46** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP US)

**F02M 55/025** (2013.01 - EP US); **F02M 63/004** (2013.01 - EP US); **F02M 63/0043** (2013.01 - EP US); **F02M 63/005** (2013.01 - EP US); **F02M 63/0225** (2013.01 - EP US); **F02M 63/028** (2013.01 - EP US); **F02M 2200/18** (2013.01 - EP US)

Citation (search report)

- [XY] DE 10012533 A1 20000928 - HONDA MOTOR CO LTD [JP]
- [Y] DE 10022275 A1 20001228 - AISAN IND [JP]
- [YA] DE 1093619 B 19601124 - PIERRE ETIENNE BESSIERE
- [X] US 6135092 A 20001024 - SCHAEENZER THOMAS R [US], et al
- [A] US 6148798 A 20001121 - BRAUN CHARLES WILSON [US], et al

Cited by

FR2973092A1; FR2969217A1; AT512438A1; AT512438B1

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