

Title (en)
Common rail fuel injection system

Title (de)
Common Rail Einspritzsystem

Title (fr)
Système d'injection de carburant avec un common rail

Publication
EP 1108886 A3 20031126 (DE)

Application
EP 00124776 A 20001114

Priority
DE 19960480 A 19991215

Abstract (en)
[origin: EP1108886A2] The fuel supply rail (2) is directly fastened to the cylinder head (1) via a sealing bracket (4), sealing the ends of a pressure tube (6), and a screw (3) fastening the brackets to the cylinder head. Rail and screw form a modular unit, e.g. a forged part. A flow limiter (7) is located between rail and pressure tube, and is screwed with a thread (8) into the rail, while it is sealed via a conical seat relative to the tube.

IPC 1-7
F02M 55/00; **F02M 55/02**; **F02M 61/14**

IPC 8 full level
F02M 55/00 (2006.01); **F02M 55/02** (2006.01); **F02M 61/14** (2006.01)

CPC (source: EP)
F02M 55/005 (2013.01); **F02M 55/02** (2013.01); **F02M 55/025** (2013.01); **F02M 61/14** (2013.01)

Citation (search report)

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- [Y] DE 19640480 A1 19980402 - BOSCH GMBH ROBERT [DE]
- [Y] DE 3506963 A1 19850912 - GEN MOTORS CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 04 30 April 1997 (1997-04-30)

Cited by
JP2009138738A; EP2060775A3; EP2060776A1; US7958870B2; WO2009058283A1; US8336524B2; WO2009033304A1; JP2011127612A

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