

Title (en)

Common rail high pressure pump

Title (de)

Hochdruckpumpe für ein Speichereinspritzsystem sowie Speichereinspritzsystem

Title (fr)

Pompe d'alimentation pour rampe d'alimentation en essence

Publication

EP 1188926 A3 20030709 (DE)

Application

EP 01121402 A 20010906

Priority

DE 10046315 A 20000919

Abstract (en)

[origin: EP1188926A2] The high pressure pump has at least two high pressure connections (5, 6) each connectable directly to a reservoir rail. The pump can have a common high pressure chamber in which the delivery units (23,24) deliver. At least two branch pipes branch off from the common chamber to connect with a separate high pressure connection.

IPC 1-7

F04B 53/16; F04B 1/04; F02M 63/02; F02M 59/06

IPC 8 full level

F04B 1/04 (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)

F04B 1/0404 (2013.01); **F04B 53/16** (2013.01)

Citation (search report)

- [X] EP 1013921 A2 20000628 - DENSO CORP [JP]
- [X] US 5546912 A 19960820 - YAMADA MASAICHI [JP], et al
- [X] US 5035221 A 19910730 - MARTIN TIBY M [US]
- [X] US 4777921 A 19881018 - MIYAKI MASAHICO [JP], et al
- [A] DE 19729789 A1 19990114 - BOSCH GMBH ROBERT [DE]
- [A] DE 19726572 A1 19981224 - MANNESMANN REXROTH AG [DE]

Cited by

CN102762859A; CN109488506A; CN100406722C; CN102144096A; EP1479903A1; EP2312148A1; EP2312149A1; US7775192B2; US7178509B2; WO2007093244A1; WO03095839A1; WO2011101203A1; WO2009115356A1; WO2009135709A1; WO2010025981A1; WO2004033905A1

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