

Title (en)

HIGH PRESSURE INLET FOR A COMMON RAIL INJECTOR

Title (de)

HOCHDRUCKZULAUF FÜR EINEN COMMON RAIL INJEKTOR

Title (fr)

ALIMENTATION HAUTE PRESSION POUR INJECTION A RAMPE COMMUNE

Publication

**EP 1673532 B1 20080319 (DE)**

Application

**EP 04786800 A 20040917**

Priority

- DE 2004002081 W 20040917
- DE 10346243 A 20031006

Abstract (en)

[origin: DE10346243A1] Liquid control valve (1) housing (10) comprises actor chamber (11) and lateral feed port (13) coupled to high pressure feed (12). Actor chamber contains actor (30) with plunger (31) and actor dome (32) and conical seal formed by conical end face (14) and corresponding sealing face (33) at dome. Conical seal is applicable to cable path. Actor chamber has at least one additional feed port (13), with feed ports located symmetrically about actor longitudinal axis. Additional port openings are located in actor chamber outside annular sealing face.

IPC 8 full level

**F02M 51/06** (2006.01); **F02M 55/00** (2006.01); **F02M 59/46** (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP KR US)

**F02M 47/027** (2013.01 - EP KR US); **F02M 51/0603** (2013.01 - EP KR US); **F02M 55/002** (2013.01 - EP KR US);  
**F02M 55/005** (2013.01 - EP KR US); **F02M 61/165** (2013.01 - KR); **F02M 63/0026** (2013.01 - EP KR US); **F02M 61/165** (2013.01 - EP US);  
**F02M 2200/16** (2013.01 - EP KR US); **F02M 2200/21** (2013.01 - KR)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

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US 2007040137 A1 20070222; WO 2005040596 A1 20050506

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