

Title (en)
Solenoid

Title (de)
Schaltmagnet

Title (fr)
Solénoïde

Publication
EP 0929086 A3 20021106 (DE)

Application
EP 98121087 A 19981106

Priority
• DE 29800346 U 19980112
• US 22819099 A 19990111

Abstract (en)
[origin: EP0929086A2] The pump is for a common rail fuel injection system, and has an intake valve with a connected plunger (10). The plunger is in active connection with an armature (8) of a magnet (1), which floats in the fuel. The armature is movable in a fuel-filled brass sleeve (3), which is sealed to the outside. The sleeve is cup-shaped and engages over a pole part (5). An O-ring (25) sealing the sleeve is fitted into the jacket surface (23) of the pole part.

IPC 1-7
H01F 7/16; F02M 59/36; F02M 59/46

IPC 8 full level
F02M 59/46 (2006.01)

CPC (source: EP US)
F02M 59/466 (2013.01 - EP US)

Citation (search report)
• [X] CH 396551 A 19650731 - WWE RUD WANDFLUH FA [CH]
• [X] WO 9105950 A1 19910502 - BOSCH GMBH ROBERT [DE]
• [X] EP 0816672 A2 19980107 - NIPPON SOKEN [JP]
• [X] DE 2503355 A1 19760729 - BOSCH GMBH ROBERT
• [X] DE 3006576 A1 19800904 - HITACHI LTD

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
DE 29800346 U1 19990512; EP 0929086 A2 19990714; EP 0929086 A3 20021106; EP 0929086 B1 20050202; US 6148796 A 20001121

DOCDB simple family (application)
DE 29800346 U 19980112; EP 98121087 A 19981106; US 22819099 A 19990111