

Title (en)
FUEL INJECTION SYSTEM

Title (de)
KRAFTSTOFFEINSPRITZSYSTEM

Title (fr)
SYSTEME D'INJECTION DE CARBURANT

Publication
EP 1144840 A1 20011017 (DE)

Application
EP 00979441 A 20001020

Priority
• DE 0003696 W 20001020
• DE 19954206 A 19991111

Abstract (en)
[origin: WO0134965A1] The invention relates to a fuel injection system, in particular a common rail system for supplying fuel to internal combustion engines, in particular diesel motors comprising several cylinders. The invention aims to provide a fuel injection system with a simple construction that is cost-effective to produce. To this end, a system of valves (1) which form the rate-of-discharge curve, in particular an injector for modulating the pressure is connected via a system of high-pressure lines (3, 5, 6, 7, 8), in which a central distributor element (4) is located, to several injectors (9, 10, 11, 12) that perform the fuel injection.

IPC 1-7
F02M 41/16; **F02M 63/00**; **F02M 45/00**

IPC 8 full level
F02M 41/06 (2006.01); **F02M 41/16** (2006.01); **F02M 45/00** (2006.01); **F02M 45/12** (2006.01); **F02M 47/00** (2006.01); **F02M 55/02** (2006.01); **F02M 63/00** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP KR)
F02M 41/16 (2013.01 - EP); **F02M 45/00** (2013.01 - EP); **F02M 45/12** (2013.01 - EP); **F02M 47/00** (2013.01 - KR); **F02M 63/0003** (2013.01 - EP); **F02M 63/0007** (2013.01 - EP)

Citation (search report)
See references of WO 0134965A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 0134965 A1 20010517; CZ 20012474 A3 20021113; DE 19954206 A1 20010523; EP 1144840 A1 20011017; JP 2003514187 A 20030415; KR 20010101423 A 20011114

DOCDB simple family (application)
DE 0003696 W 20001020; CZ 20012474 A 20001020; DE 19954206 A 19991111; EP 00979441 A 20001020; JP 2001536868 A 20001020; KR 20017008632 A 20010707