

Title (en)
Fuel injection device

Title (de)
Kraftstoffeinspritzeinrichtung

Title (fr)
Dispositif d'injection de combustible

Publication
EP 1273797 A3 20050119 (DE)

Application
EP 02011711 A 20020525

Priority
DE 10132732 A 20010705

Abstract (en)
[origin: EP1273797A2] A local pump element (1) for a pump nozzle unit or for a pump pipe nozzle system for compressing fuel is allocated to each injector (2) according to the number of cylinders. The injectors (2) with controlled lift link to a central pressure system (25). The pump element connects to control (14) and nozzle (13) areas in the injector via a pressure pipe (15) linked to the central pressure system.

IPC 1-7
F02M 63/00; **F02M 57/02**

IPC 8 full level
F02M 45/02 (2006.01); **F02M 47/02** (2006.01); **F02M 55/02** (2006.01); **F02M 57/02** (2006.01); **F02M 59/36** (2006.01); **F02M 59/46** (2006.01); **F02M 63/00** (2006.01); **F02M 63/02** (2006.01); **F02M 45/04** (2006.01); **F02M 45/12** (2006.01)

CPC (source: EP)
F02M 45/02 (2013.01); **F02M 47/027** (2013.01); **F02M 55/02** (2013.01); **F02M 57/02** (2013.01); **F02M 57/023** (2013.01); **F02M 59/366** (2013.01); **F02M 59/462** (2013.01); **F02M 63/0003** (2013.01); **F02M 63/0005** (2013.01); **F02M 63/0225** (2013.01); **F02M 45/04** (2013.01); **F02M 45/12** (2013.01); **F02M 2200/40** (2013.01)

Citation (search report)

- [XA] DE 19910970 A1 20000928 - BOSCH GMBH ROBERT [DE]
- [XA] DE 19939428 A1 20010301 - BOSCH GMBH ROBERT [DE]
- [A] DE 19939429 A1 20010301 - BOSCH GMBH ROBERT [DE]
- [A] DE 19939419 A1 20010301 - BOSCH GMBH ROBERT [DE]

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FR2872224A1; CN102900576A; EP1359316A3; EP1657430A1; US8113175B2; US7392791B2; US7252070B2; US7353800B2; US7431017B2; WO2005124145A1; WO2005124144A1; US7398763B2; US7047941B2; US7444988B2; US7730876B2; US7980223B2; WO2008009974A3; WO2007114750A1; WO2006013151A1; WO2004070201A1; WO2007055805A1; WO03093671A3

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DOCDB simple family (application)
EP 02011711 A 20020525; DE 10132732 A 20010705; DE 50212423 T 20020525; JP 2002193373 A 20020702