

Title (en)

FUEL INJECTION DEVICE FOR AN INTERNAL-COMBUSTION ENGINE

Publication

**EP 0243931 A3 19891018 (DE)**

Application

**EP 87106141 A 19870428**

Priority

DE 3614495 A 19860429

Abstract (en)

[origin: US4785787A] A fuel injection system for a diesel engine in which an electromagnetically actuated valve determines the initiation and conclusion of injection. A valve of this sort consists of a primary slide valve component 3 which, in its closed position, makes a seating engagement with a tapered valve seat 5 to close a connecting channel 16 between the injection line 10 and a dumping passage 12. The primary valve component is moved to its open position by an electromagnetically actuated impact bolt 40. In order to avoid problems associated with seat valves, a second electrically operated valve component 6 is provided in a second connecting channel 25 between the high pressure channel 7 and the dumping channel 12.

IPC 1-7

**F02M 59/36; F02M 59/46**

IPC 8 full level

**F02M 51/04** (2006.01); **F02M 51/00** (2006.01); **F02M 59/36** (2006.01); **F02M 59/46** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP US)

**F02M 59/366** (2013.01 - EP US); **F02M 59/466** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US); **Y10T 137/87378** (2015.04 - EP US); **Y10T 137/87507** (2015.04 - EP US)

Citation (search report)

- [A] FR 2188065 A1 19740118 - BENDIX CORP [US]
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- [A] FR 1462158 A 19660415
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Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0243931 A2 19871104; EP 0243931 A3 19891018; EP 0243931 B1 19910529;** AT E63976 T1 19910615; DE 3614495 A1 19871105; DE 3770331 D1 19910704; JP S6325364 A 19880202; SU 1494876 A3 19890715; US 4785787 A 19881122

DOCDB simple family (application)

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