

Title (en)

Fuel injection apparatus in which the displacement control is improved

Title (de)

Kraftstoffeinspritzanlage mit verbesserter Fördermengenregelung

Title (fr)

Dispositif d'injection de carburant dont le réglage du débit est amélioré

Publication

EP 1306548 A3 20051109 (DE)

Application

EP 02015909 A 20020717

Priority

DE 10153185 A 20011027

Abstract (en)

[origin: EP1306548A2] A distributing valve (33) is formed as a continuously adjustable valve, which is controlled by a control device based on the operating state of the internal combustion engine and/or the fuel injection system. The valve may be a single-stage three-way valve, with an input connected to the pressure side of a pre-conveying pump (1), an output connected to the suction side of pump elements (19), and a second input connected to the low pressure region of the fuel jetting pump (17). <??>Independent claims are also included for the following: <??>(1) a method of generating and supplying fuel; <??>(2) a control device for a fuel injection system; and <??>(3) a computer program.

IPC 1-7

F02M 63/00; **F02M 63/02**; **F04B 49/22**; **F02M 59/34**

IPC 8 full level

F02M 37/00 (2006.01); **F02M 59/06** (2006.01); **F02M 59/34** (2006.01); **F02M 63/00** (2006.01); **F02M 63/02** (2006.01); **F04B 1/04** (2006.01); **F04B 49/22** (2006.01)

CPC (source: EP US)

F02M 59/06 (2013.01 - EP US); **F02M 59/34** (2013.01 - EP US); **F02M 63/0001** (2013.01 - EP US); **F02M 63/0225** (2013.01 - EP US); **F04B 1/0404** (2013.01 - EP US); **F04B 49/225** (2013.01 - EP US)

Citation (search report)

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- [A] DE 19933569 A1 20010125 - SIEMENS AG [DE]
- [A] DE 19742180 A1 19990325 - SIEMENS AG [DE]

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1306548 A2 20030502; **EP 1306548 A3 20051109**; **EP 1306548 B1 20070314**; DE 10153185 A1 20030515; DE 50209708 D1 20070426; JP 2003184681 A 20030703; JP 4138444 B2 20080827; US 2003089339 A1 20030515; US 6823845 B2 20041130

DOCDB simple family (application)

EP 02015909 A 20020717; DE 10153185 A 20011027; DE 50209708 T 20020717; JP 2002311008 A 20021025; US 27985802 A 20021025