

Title (en)

FUEL SUPPLY SYSTEM OF AN INTERNAL COMBUSTION ENGINE

Title (de)

KRAFTSTOFFVERSORGUNGSANLAGE EINER BRENNKRAFTMASCHINE

Title (fr)

INSTALLATION D'ALIMENTATION EN CARBURANT D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1042608 B1 20031203 (DE)

Application

EP 99931008 A 19990504

Priority

- DE 9901329 W 19990504
- DE 19834121 A 19980729

Abstract (en)

[origin: DE19834121A1] In preart fuel supply systems comprising two series-connected fuel pumps, it was not satisfactorily possible, despite great efforts, to obtain a sufficiently precise control of the fuel quantity delivered by the second fuel pump. The inventive control valve (30) which is relatively small enables a very precise control of the fuel quantity delivered in the pressure line (14) by the second fuel pump (12). The fuel supply system is provided for an internal combustion engine of a vehicle.

IPC 1-7

F02M 59/36; **F02M 59/46**; **F02M 63/02**; **F02M 59/34**

IPC 8 full level

F02M 59/20 (2006.01); **F02M 59/34** (2006.01); **F02M 59/36** (2006.01); **F02M 59/46** (2006.01); **F02M 63/02** (2006.01); **F04B 7/00** (2006.01); **F04B 49/22** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP KR US)

F02M 59/34 (2013.01 - EP US); **F02M 59/36** (2013.01 - KR); **F02M 59/367** (2013.01 - EP US); **F02M 63/0017** (2013.01 - EP US); **F02M 63/0035** (2013.01 - EP US); **F02M 63/0225** (2013.01 - EP US); **F04B 7/0076** (2013.01 - EP US); **F04B 49/225** (2013.01 - EP US); **F04B 53/1082** (2013.01 - EP US); **F04B 2205/15** (2013.01 - EP US)

Cited by

KR100767636B1; GB2562497A; CN102454524A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19834121 A1 20000203; DE 59907935 D1 20040115; EP 1042608 A1 20001011; EP 1042608 B1 20031203; JP 2002521616 A 20020716; JP 4489951 B2 20100623; KR 100634031 B1 20061017; KR 20010030766 A 20010416; US 6345608 B1 20020212; WO 0006895 A1 20000210

DOCDB simple family (application)

DE 19834121 A 19980729; DE 59907935 T 19990504; DE 9901329 W 19990504; EP 99931008 A 19990504; JP 2000562655 A 19990504; KR 20007003325 A 20000328; US 50949800 A 20000605