

Title (en)

Fuel system for an internal combustion engine

Title (de)

Kraftstoffsystem für eine Brennkraftmaschine

Title (fr)

Système de combustible pour un moteur à combustion interne

Publication

**EP 1394403 B1 20061115 (DE)**

Application

**EP 03003644 A 20030218**

Priority

DE 10240310 A 20020831

Abstract (en)

[origin: EP1394403A2] Fuel system comprises a low-pressure region (18), a high-pressure fuel pump (24), and a high-pressure region (26). The high-pressure fuel pump consists of a housing (38, 42), at least one moving conveying element (44) defining a conveying chamber (66), at least one drive (54) setting the conveying element in motion, a drive chamber (62) in which the drive is at least partly arranged, and a lubricant supply device (45) for supplying moving parts with fuel as a lubricant. The lubricant supply device loads the drive with a pressure which is higher than the pressure in the low-pressure region. An Independent claim is also included for an alternative fuel system.

IPC 8 full level

**F02M 59/10** (2006.01); **F02M 63/00** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP)

**F02M 59/102** (2013.01); **F02M 63/0001** (2013.01); **F02M 63/0225** (2013.01); **F02M 63/025** (2013.01); **F02M 2200/02** (2013.01); **F02M 2200/16** (2013.01)

Cited by

CN110700969A; ITMI20090638A1; ITMI20090606A1; CN111868370A; EP2557306A1; JP2014521877A; WO2010127899A1; WO2013020789A1

Designated contracting state (EPC)

DE FR GB IT

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