

Title (en)

FUEL SUPPLY DEVICE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

KRAFTSTOFFVERSORGUNGSVORRICHTUNG FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF D'ALIMENTATION EN CARBURANT POUR MOTEUR A COMBUSTION INTERNE

Publication

EP 1032759 B1 20031119 (DE)

Application

EP 99936423 A 19990608

Priority

- DE 9901663 W 19990608
- DE 19828931 A 19980629

Abstract (en)

[origin: DE19828931A1] The fuel filter is made up of pre-filter and fine filter (7) having pore width of 1.5-8 micron as opposed to the pre-filter whose pore width amounts to 7-15 micron. Both filters (4,7) are backed in the fuel path by a pressure limiting element (8), or the limiter is set ahead of the filters. Alternatively, the limiting element (8) can be placed between the pre- and fine filters (4,7), and the filters are designed so the pre-filter at least can be arranged in the fuel tanks (1). This fuel system is free from return flow. A screen is also provided for the fuel pumped (2) from the tank (1).

IPC 1-7

F02M 37/22; **F02M 37/10**

IPC 8 full level

F02M 37/10 (2006.01); **F02M 37/34** (2019.01); **F02M 37/50** (2019.01)

CPC (source: EP KR US)

F02M 37/10 (2013.01 - EP KR US); **F02M 37/34** (2018.12 - EP KR US); **F02M 37/50** (2018.12 - EP KR US)

Citation (examination)

- DE 3825470 A1 19900201 - DAIMLER BENZ AG [DE]
- DE 1192623 B 19650513 - GUSTAV EISERMANN

Cited by

DE102010043644A1

Designated contracting state (EPC)

DE ES FR

DOCDB simple family (publication)

DE 19828931 A1 19991230; DE 59907797 D1 20031224; EP 1032759 A1 20000906; EP 1032759 B1 20031119; ES 2212594 T3 20040716; JP 2002519569 A 20020702; KR 20010023386 A 20010326; US 6253740 B1 20010703; WO 0000736 A1 20000106

DOCDB simple family (application)

DE 19828931 A 19980629; DE 59907797 T 19990608; DE 9901663 W 19990608; EP 99936423 A 19990608; ES 99936423 T 19990608; JP 2000557072 A 19990608; KR 20007002026 A 20000228; US 48598400 A 20000426