

Title (en)
FUEL DELIVERY MODULE WITH AN INITIAL FILLING VALVE

Title (de)
KRAFTSTOFF-FÖRDERMODUL MIT ERSTBEFÜLLVENTIL

Title (fr)
MODULE D'ACHEMINEMENT DE CARBURANT COMPORTANT UNE SOUPAPE DE REMPLISSAGE INITIAL

Publication
EP 1066463 A2 20010110 (DE)

Application
EP 99922058 A 19990323

Priority
• DE 9900832 W 19990323
• DE 19813172 A 19980325

Abstract (en)
[origin: DE19813172A1] The present invention relates to a device for supplying fuel from a tank to an internal combustion engine in a motor vehicle. The device comprises a fuel delivery unit which is connected on the aspiration side to an aspiration housing communicating with the tank, while said unit is connected on the discharge side to the internal combustion engine. The device also includes a back-flow duct for supplying the excess fuel to the aspiration housing. The aspiration housing comprises at its bottom a closing member which can be displaced between a first open position and a second closed position. According to this invention, the closing member is provided with an actuation unit preferably in the form of a float for maintaining said closing member in the first open position when the fuel level in the tank is low or equal to zero. When the tank contains an amount of fuel which is at least sufficient for the fuel delivery unit to supply enough fuel to the internal combustion engine, the above-mentioned actuation unit maintains the closure member in the second closed position.

IPC 1-7
F02M 37/04

IPC 8 full level
F02M 37/00 (2006.01); **F02M 37/04** (2006.01); **F02M 37/10** (2006.01)

CPC (source: EP KR US)
F02M 37/0023 (2013.01 - KR); **F02M 37/10** (2013.01 - KR); **F02M 37/106** (2013.01 - EP US)

Citation (search report)
See references of WO 9949207A2

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
DE 19813172 A1 19990930; BR 9909036 A 20001205; DE 59905843 D1 20030710; EP 1066463 A2 20010110; EP 1066463 B1 20030604; JP 2002507694 A 20020312; KR 20010042119 A 20010525; US 6450151 B1 20020917; WO 9949207 A2 19990930; WO 9949207 A3 20000413

DOCDB simple family (application)
DE 19813172 A 19980325; BR 9909036 A 19990323; DE 59905843 T 19990323; DE 9900832 W 19990323; EP 99922058 A 19990323; JP 2000538147 A 19990323; KR 20007010493 A 20000922; US 64682100 A 20000922