

Title (en)
FUEL SUPPLY SYSTEM

Title (de)
FÖRDEREINRICHTUNG FÜR BRENNSTOFF

Title (fr)
SYSTEME D'ALIMENTATION EN CARBURANT

Publication
EP 0910737 A1 19990428 (DE)

Application
EP 98903992 A 19980107

Priority
• DE 9800009 W 19980107
• DE 19709446 A 19970307

Abstract (en)
[origin: WO9840621A1] In fuel supply systems for internal combustion engines, which systems have a fuel tank, there is a risk that the fuel contained under pressure in the fuel tank might escape from the supply system after the internal combustion engine has been switched off or in case of an accident. The invention thus provides for the fuel tank (16) to be fitted with a blocking device (33) which engages a serrated actuating bar (28) by means of an electromagnetically actuated locking pin (38) after the internal combustion engine (10) has been switched off or after an accident and in this way prevents the force of a compression spring (21) from being applied against the movable wall (17) of the fuel tank (16). As a result, the pressure in the fuel line (5) is eliminated almost fully as soon as even small quantities of fuel are discharged. Said fuel supply system is suitable for internal combustion engines with air/fuel mix compression and spark ignition.

IPC 1-7
F02M 37/14; **F02B 77/08**; **F02M 37/08**

IPC 8 full level
F02B 77/08 (2006.01); **F02M 37/00** (2006.01); **F02M 37/08** (2006.01); **F02M 37/14** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP KR US)
F02B 77/08 (2013.01 - EP US); **F02M 37/08** (2013.01 - EP US); **F02M 37/14** (2013.01 - EP KR US); **F02M 2037/087** (2013.01 - EP US)

Citation (search report)
See references of WO 9840621A1

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
WO 9840621 A1 19980917; BR 9805936 A 19990831; DE 19709446 C1 19981015; EP 0910737 A1 19990428; JP 2000509789 A 20000802; KR 20000010763 A 20000225; US 6092500 A 20000725

DOCDB simple family (application)
DE 9800009 W 19980107; BR 9805936 A 19980107; DE 19709446 A 19970307; EP 98903992 A 19980107; JP 53903998 A 19980107; KR 19980708883 A 19981104; US 18044498 A 19981106