

Title (en)
DEVICE FOR DETECTING LEAKS IN A FUEL SUPPLY SYSTEM

Title (de)
EINRICHTUNG ZUR ERKENNUNG EINES LECKS IN EINEM KRAFTSTOFFVERSORGUNGSSYSTEM

Title (fr)
DISPOSITIF DE DETECTION D'UNE FUITE DANS UN SYSTEME D'ALIMENTATION EN CARBURANT

Publication
EP 0778922 A1 19970618 (DE)

Application
EP 96902877 A 19960222

Priority
• DE 9600271 W 19960222
• DE 19520300 A 19950602

Abstract (en)
[origin: DE19520300A1] The description relates to a device for detecting a leak in a fuel supply system in an internal combustion engine and especially a diesel engine, in which fuel is supplied to the injection valves at high pressure. The fuel pressure is constantly measured and controled in the usual way by a regulating circuit in that a magnetic valve in the fuel return is suitably operated. If the control device detects the existence of a predeterminable state, e.g. thrust operation, the magnetic valve (24) is closed and the pressure change arising is checked to see whether it changes or whether the pressure rises in the predeterminable manner. If not, a leak is detected and the fuel supply is cut off.

IPC 1-7
F02M 65/00; **F02B 77/08**

IPC 8 full level
F02B 77/08 (2006.01); **F02D 41/22** (2006.01); **F02D 41/38** (2006.01); **F02M 37/00** (2006.01); **F02M 47/00** (2006.01); **F02M 55/02** (2006.01); **F02M 63/00** (2006.01); **F02M 63/02** (2006.01); **F02M 65/00** (2006.01); **F02B 3/06** (2006.01); **F02D 41/12** (2006.01)

CPC (source: EP US)
F02B 77/088 (2013.01 - EP US); **F02D 41/22** (2013.01 - EP US); **F02D 41/3827** (2013.01 - EP US); **F02D 41/3863** (2013.01 - EP US); **F02M 55/025** (2013.01 - EP US); **F02M 63/0205** (2013.01 - EP US); **F02M 63/0225** (2013.01 - EP US); **F02M 65/00** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US); **F02D 41/123** (2013.01 - EP US); **F02D 2041/224** (2013.01 - EP US); **F02D 2041/225** (2013.01 - EP US); **F02D 2200/0602** (2013.01 - EP US); **F23N 2231/18** (2020.01 - EP US)

Citation (search report)
See references of WO 9638664A1

Cited by
DE102015215473B4; DE102015215473A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
DE 19520300 A1 19961205; DE 59605914 D1 20001026; EP 0778922 A1 19970618; EP 0778922 B1 20000920; JP H10503571 A 19980331; US 5715786 A 19980210; WO 9638664 A1 19961205

DOCDB simple family (application)
DE 19520300 A 19950602; DE 59605914 T 19960222; DE 9600271 W 19960222; EP 96902877 A 19960222; JP 53607896 A 19960222; US 78992297 A 19970128