

Title (en)
ERROR-DETECTING ARRANGEMENT AND METHOD FOR A FUEL TANK VENTILATION SYSTEM

Publication
EP 0411173 B1 19921223 (DE)

Application
EP 89114122 A 19890731

Priority
EP 89114122 A 19890731

Abstract (en)
[origin: US5085197A] With the present tank ventilation system formed of a fuel tank, an active carbon filter, a control unit, a lambda probe, a tank ventilation valve and a flow sensor it is possible to recognize defects at the connecting lines and the ventilation valve immediately. For the recognition of the defect, a control unit is provided which examines the signals arriving from the lambda probe and from the flow sensor along with the outgoing tank ventilation control signals for unreasonable events. When a defect is recognized, the error signal is stored. A ceramic PTC resistor is preferably employed as the flow sensor.

IPC 1-7
F02D 41/22; F02M 25/08

IPC 8 full level
F02D 41/00 (2006.01); **F02M 25/08** (2006.01)

CPC (source: EP US)
F02M 25/0809 (2013.01 - EP US)

Citation (examination)
WO 9011443 A1 19901004 - BOSCH GMBH ROBERT [DE]

Cited by
DE10147977A1; US5265577A; DE4301230C2; FR2674192A1; US5533493A; DE19757345B4; US5866500A; DE4401887A1; US6895934B2; WO9216735A1; WO9115670A1; WO9218765A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0411173 A1 19910206; EP 0411173 B1 19921223; DE 58903128 D1 19930204; ES 2037920 T3 19930701; US 5085197 A 19920204

DOCDB simple family (application)
EP 89114122 A 19890731; DE 58903128 T 19890731; ES 89114122 T 19890731; US 55867490 A 19900726