

Title (en)

Method for detecting leaks in fuel supply systems of a vehicle

Title (de)

Verfahren zur Bestimmung von Leckagen im Kraftstoffversorgungssystem eines Kraftfahrzeuges

Title (fr)

Procédé pour détecter des fuites dans les systèmes d'admission de carburant pour un véhicule

Publication

EP 0952332 B1 20060719 (DE)

Application

EP 99107539 A 19990415

Priority

DE 19818697 A 19980425

Abstract (en)

[origin: EP0952332A2] The method involves detecting engine shut-off conditions by evaluating engine operating parameters, opening the tank vent valve or a separate blocking valve mounted in the vent line and closing a valve in a line between an adsorption container and the atmosphere. Depending on the detected conditions, the engine off conditions are detected by evaluating the operating parameters. The tank vent valve or separate valve are closed depending on the detected engine off conditions and the differential pressure changes are evaluated to determine the magnitude of leaks with the engine off, whereby the diagnostic results are stored. An Independent claim is also included for an arrangement for detecting leaks in motor vehicle fuel supply systems.

IPC 8 full level

F02B 77/08 (2006.01); **F02M 25/08** (2006.01); **F02D 17/00** (2006.01); **F02D 45/00** (2006.01); **F02M 37/00** (2006.01)

CPC (source: EP)

F02M 25/0809 (2013.01)

Cited by

CN111396402A; KR100800203B1; US6666072B2; US6658923B2; US6539927B2; US6626032B2; US6820466B2; US6722189B2; US6886399B2; US6508235B2; US6769290B2; WO0163116A1; WO0169073A1; WO02053897A1; WO2005052349A1; WO0212704A1; US7383821B2; US7233845B2; DE102007016859A1; US7043375B2; US7963150B2; JP2004506124A; JP4819295B2

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