

Title (en)

Method for testing a tank purge system

Title (de)

Verfahren zum Prüfen eines Tankentlüftungssystems

Title (fr)

Procédé de controle pour système de purge de réservoir

Publication

EP 1013917 A3 20001122 (DE)

Application

EP 99123162 A 19991122

Priority

- DE 19860750 A 19981223
- DE 19908138 A 19990225

Abstract (en)

[origin: EP1013917A2] The method involves feeding volatile gas containing hydrogen emanating from the tank (14) via a filter arrangement (32) in which it is collected. The filter arrangement is subjected to a vacuum to feed the filter material via a induction system (16) of an induction process into an internal combustion engine, whereby the connection between the filter arrangement and induction system is opened and closed by a clocked switching device. A drive signal for the switching device is cross-correlated with a measurement parameter defining the state of the induction system, and a correlation coefficient is evaluated as a diagnostic signal for the tank venting system.

IPC 1-7

F02M 25/08

IPC 8 full level

F02D 41/00 (2006.01); **F02D 41/22** (2006.01); **F02M 25/08** (2006.01)

CPC (source: EP)

F02M 25/0809 (2013.01); **F02D 2200/0406** (2013.01)

Citation (search report)

- [A] DE 4122975 A1 19930114 - BOSCH GMBH ROBERT [DE]
- [A] US 5696317 A 19971209 - RYCHLICK EDWARD GEORGE [US]
- [A] US 5140961 A 19920825 - SAWAMOTO KUNIFUMI [JP], et al

Cited by

US10202944B2; ITBO20120538A1; EP1179671A3; FR3027956A1; KR20170077152A; RU2695244C2; EP1179671A2; US7047798B2; WO2016066937A1; WO03033901A1

Designated contracting state (EPC)

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