

Title (en)

Method for testing the function of a tank ventilation valve

Title (de)

Verfahren zur Prüfung der Funktion eines Tankentlüftungsventils

Title (fr)

Méthode pour tester la fonction d'une soupape de ventilation de réservoir de carburant

Publication

EP 2199586 A3 20140402 (DE)

Application

EP 09014657 A 20091125

Priority

DE 102008064345 A 20081220

Abstract (en)

[origin: EP2199586A2] The method involves realizing opening of a tank ventilation valve for multiple times during an operation of an internal combustion engine, and realizing closing of the tank ventilation valve after a short opening time. Time progress of a parameter e.g. air ratio, dependent upon an opening state of the tank ventilation valve, is recorded during repeated opening and closing of the tank ventilation valve. A derivative of the time progress of the parameter is evaluated. A differential amount of time periods and associated opening and/or closing times is compared with a threshold value.

IPC 8 full level

F02M 25/08 (2006.01)

CPC (source: EP US)

F02M 25/0809 (2013.01 - EP US); **F02M 25/0827** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

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DOCDB simple family (publication)

EP 2199586 A2 20100623; **EP 2199586 A3 20140402**; CN 101746258 A 20100623; CN 101746258 B 20130320; DE 102008064345 A1 20100624; US 2010162804 A1 20100701; US 8359911 B2 20130129

DOCDB simple family (application)

EP 09014657 A 20091125; CN 200910258218 A 20091217; DE 102008064345 A 20081220; US 64152209 A 20091218