

Title (en)

Device and method for estimating the oil consumption of a vehicle engine

Title (de)

Verfahren und Vorrichtung zur Abschätzung des Ölverbrauchs eines Kraftfahrzeugs

Title (fr)

Dispositif et procédé d'estimation de la consommation d'huile d'un moteur de véhicule

Publication

EP 1956203 B1 20110608 (FR)

Application

EP 08150823 A 20080130

Priority

- FR 0753155 A 20070209
- FR 0753156 A 20070209
- FR 0753157 A 20070209

Abstract (en)

[origin: EP1956203A1] The device has measurement sensors (2-5) to determine values of engine functioning rate, engine load, and temperatures of cooling water and oil. A calculation unit (1) co-operates with the sensors. The calculation unit has an algorithm to calculate an oil consumption term based on the values of the engine functioning rate and load during a given functioning time. The algorithm permits to calculate another oil consumption term to be applied to the former term from the values of the temperatures for deducing an estimation of intended oil consumption.

IPC 8 full level

F01M 11/10 (2006.01); **F16N 29/04** (2006.01)

CPC (source: EP)

F01M 1/18 (2013.01); **F01M 11/10** (2013.01); **F01M 2011/14** (2013.01); **F01M 2011/142** (2013.01); **F01M 2011/1433** (2013.01); **F01M 2011/1473** (2013.01); **F01M 2250/60** (2013.01); **F01M 2250/62** (2013.01); **F01M 2250/64** (2013.01)

Cited by

DE102011109657B4; DE102011109633B4; CN112765789A; CN115059527A; CN112895897A; CN109269581A; CN112883648A; CN107809315A; CN111032463A; US11988117B2

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1956203 A1 20080813; **EP 1956203 B1 20110608**; AT E512288 T1 20110615

DOCDB simple family (application)

EP 08150823 A 20080130; AT 08150823 T 20080130