

Title (en)

Method and device for determining the quantity of soot particles introduced in a lubricating oil for a diesel engine

Title (de)

Verfahren und Vorrichtung zur Beurteilung der Rußpartikelbelastung eines Schmieröls eines Dieselmotors

Title (fr)

Procédé et dispositif d'évaluation de la charge de particules de suie introduite dans une huile de lubrification d'un moteur diesel

Publication

EP 2653677 B1 20190213 (FR)

Application

EP 13160975 A 20130326

Priority

FR 1253651 A 20120420

Abstract (en)

[origin: EP2653677A2] The method involves calculating a median value of a parameter for a given group according to the parameter statements for each interval of the group. A load in soot particles introduced into a lubrication oil of a diesel engine for the given group is determined according to a pre-established mapping. The loads in soot particles corresponding to the given group are added to the preceding groups to determine a total load of evaluated soot particles during the operation of the corresponding engine. An independent claim is also included for a device for determining quantity of soot particles introduced in lubricating oil for a diesel engine of a car.

IPC 8 full level

F01M 11/10 (2006.01)

CPC (source: EP)

F01M 11/10 (2013.01); **F01M 2011/1466** (2013.01)

Cited by

FR3081503A1; CN112128005A; WO2019229021A1; US11066950B2; US11692456B2

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2653677 A2 20131023; EP 2653677 A3 20180404; EP 2653677 B1 20190213; FR 2989727 A1 20131025; FR 2989727 B1 20140509

DOCDB simple family (application)

EP 13160975 A 20130326; FR 1253651 A 20120420