

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 Rußpartikelbeladung 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 A3 20180404 (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)

Citation (search report)

- [A] GB 2418988 A 20060412 - FORD GLOBAL TECH LLC [US]
- [A] EP 1296026 A1 20030326 - DELPHI TECH INC [US]
- [A] DE 3228195 A1 19830210 - NISSAN MOTOR [JP]
- [A] EP 1241326 A2 20020918 - ISUZU MOTORS LTD [JP]

Cited by

CN112128005A; FR3081503A1; 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

Designated extension state (EPC)

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