

Title (en)

EXHAUST GAS TREATMENT SYSTEM (ATS) BASED ON A PM-CAT FILTER

Title (de)

ABGASBEHANDLUNGSSYSTEM (ATS) BASIEREND AUF EINEM PM-KATALYSATORFILTER

Title (fr)

SYSTÈME DE TRAITEMENT DE GAZ D'ÉCHAPPEMENT (ATS) SUR LA BASE D'UN FILTRE CATALYTIQUE À PARTICULES

Publication

**EP 2880289 A1 20150610 (EN)**

Application

**EP 13755974 A 20130731**

Priority

- EP 12178646 A 20120731
- EP 12178643 A 20120731
- EP 12178647 A 20120731
- EP 2013066087 W 20130731
- EP 13755974 A 20130731

Abstract (en)

[origin: WO2014020063A1] Exhaust gas treatment system (ATS) for an internal combustion engine based on a PM-CAT particulate filter and to a Diesel Oxidation Catalyst placed upstream of the PM-CAT filter according to a direction of the exhaust gas outflow (EG), means for the active regeneration of the particulate matter (C) accumulated in the particulate filter, wherein the active regeneration means comprise an estimator at least for estimating an amount of particulate matter accumulated in the particulate filter and wherein the estimator comprises means for weighing said amount of particulate matter with a coefficient proportional to a retaining efficiency of the PM- CAT filter.

IPC 8 full level

**F02D 41/02** (2006.01); **F02D 41/14** (2006.01)

CPC (source: EP)

**F01N 9/002** (2013.01); **F02D 41/029** (2013.01); **F02D 41/1467** (2013.01); **F02D 41/1475** (2013.01); **F02D 41/405** (2013.01); **F02D 2200/0812** (2013.01); **Y02T 10/40** (2013.01)

Citation (search report)

See references of WO 2014020063A1

Cited by

EP3771810A1; IT201900013215A1

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)

BA ME

DOCDB simple family (publication)

**WO 2014020063 A1 20140206**; EP 2880289 A1 20150610; EP 2880290 A1 20150610; EP 2880290 B1 20180905; EP 2880291 A1 20150610; EP 2880291 B1 20190313; ES 2700145 T3 20190214; ES 2729005 T3 20191029; WO 2014020064 A1 20140206; WO 2014020065 A1 20140206

DOCDB simple family (application)

**EP 2013066087 W 20130731**; EP 13755974 A 20130731; EP 13755975 A 20130731; EP 13756332 A 20130731; EP 2013066089 W 20130731; EP 2013066091 W 20130731; ES 13755975 T 20130731; ES 13756332 T 20130731