

Title (en)

METHOD FOR ADJUSTING THE TEMPERATURE CONTROL OF A PARTICULATE FILTER

Title (de)

VERFAHREN ZUR ANPASSUNG DER TEMPERATURREGELUNG BEI EINEM PARTIKELFILTER

Title (fr)

PROCEDE D'ADAPTATION D'UNE REGULATION DE LA TEMPERATURE D'UN FILTRE A PARTICULES

Publication

EP 2307675 A1 20110413 (FR)

Application

EP 09784475 A 20090706

Priority

- FR 2009051338 W 20090706
- FR 0855119 A 20080725

Abstract (en)

[origin: WO2010010268A1] The invention relates to a method for adjusting the temperature of a particle filter of an exhaust line (1) during a regeneration phase of said filter by injecting fuel into the exhaust gases, and which includes the steps of: measuring the temperature (T5) in the particle filter; predetermining an amount of fuel to inject into the exhaust gases (Qigec), said amount including a first component (Qd c) predetermined by means of an open control loop not factoring in the measured temperature, and said amount including a second component (Qc2) predetermined by means of a closed control loop factoring in the measured temperature; and, on the basis of the amplitude of the second component relative to the predetermined fuel amount, predetermining a correction term (Kc) of the first component and applying said correction term in the open control loop.

IPC 8 full level

F01N 3/025 (2006.01); **F01N 3/035** (2006.01); **F01N 9/00** (2006.01)

CPC (source: EP US)

F01N 3/0253 (2013.01 - EP US); **F01N 3/035** (2013.01 - EP US); **F01N 9/002** (2013.01 - EP US); **F01N 2610/146** (2013.01 - EP US); **F01N 2900/0408** (2013.01 - EP US); **F01N 2900/0411** (2013.01 - EP US); **Y02T 10/40** (2013.01 - EP US)

Citation (search report)

See references of WO 2010010268A1

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)

AL BA RS

DOCDB simple family (publication)

WO 2010010268 A1 20100128; BR PI0910157 A2 20151020; CN 102084095 A 20110601; CN 102084095 B 20130612; EP 2307675 A1 20110413; FR 2934316 A1 20100129; FR 2934316 B1 20100813; RU 2011106915 A 20120827; RU 2500900 C2 20131210; US 2011126518 A1 20110602

DOCDB simple family (application)

FR 2009051338 W 20090706; BR PI0910157 A 20090706; CN 200980125765 A 20090706; EP 09784475 A 20090706; FR 0855119 A 20080725; RU 2011106915 A 20090706; US 200913055122 A 20090706