Title (en)

A SYSTEM AND METHOD FOR PURIFYING EXHAUST GAS FOR A DIESEL VEHICLE USING FUEL BORNE CATALYST

Title (de)

SYSTEM UND VERFAHREN ZUR ABGASREINIGUNG FÜR EIN DIESELFAHRZEUG ANHAND EINES KRAFTSTOFFADDITIVS ZUR FILTERREGENERATION

Title (fr)

SYSTÈME ET PROCÉDÉ D'ÉPURATION DES GAZ D'ÉCHAPPEMENT POUR UN VÉHICULE À MOTEUR DIESEL COMPRENANT UN CATALYSEUR DIFFUSÉ PAR LE CARBURANT

Publication

EP 2142769 A4 20140305 (EN)

Application

EP 08753335 A 20080506

Priority

• KR 2008002538 W 20080506
• KR 20070045466 A 20070510

Abstract (en)

[origin: WO2008140204A2] The present invention relates to a system and method for purifying exhaust gas for diesel vehicles using fuel borne catalyst (here-in-after, referred to as "FBC") which is applied to enhance the efficiency of purifying exhaust gas by maintaining optimum FBC concentration. The object of the present invention is to provide a system and method for purifying exhaust gas for diesel vehicles using a fuel borne catalyst, which can easily raise the temperature of exhaust gas in a short time at the time of regeneration, by maintaining the concentration of the fuel borne catalyst constant in any driving situation.

IPC 8 full level

F01N 3/20 (2006.01)

CPC (source: EP KR)

F01N 3/0253 (2013.01 - EP); **F01N 3/029** (2013.01 - EP); **F01N 3/08** (2013.01 - KR); **F01N 3/20** (2013.01 - KR); **F01N 9/002** (2013.01 - EP); **F02M 25/00** (2013.01 - EP); F01N 2560/05 (2013.01 - EP); F01N 2560/06 (2013.01 - EP); F01N 2610/01 (2013.01 - EP); F01N 2610/03 (2013.01 - EP); F01N 2610/1453 (2013.01 - EP); F01N 2610/1473 (2013.01 - EP); Y02T 10/40 (2013.01 - EP)

Citation (search report)

• [XI] WO 2007024781 A1 20070301 - ENVIROFUELS LLC [US], et al
• [XI] EP 1114923 A2 20010711 - FORD GLOBAL TECH INC [US]
• [XI] US 6068672 A 20000530 - WATSON CHARLES J [US], et al
• [XI] EP 0661429 A1 19950705 - PEUGEOT [FR], et al
• [XI] DE 10112361 A1 20021010 - BAYERISCHE MOTOREN WERKE AG [DE]
• See references of WO 2008140204A2

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)

WO 2008140204 A2 20081120; **WO 2008140204 A3 20081231**; CN 101680334 A 20100324; CN 101680334 B 20121107; EP 2142769 A2 20100113; EP 2142769 A4 20140305; JP 2010526959 A 20100805; KR 101290525 B1 20130730; KR 20080099650 A 20081113

DOCDB simple family (application)

KR 2008002538 W 20080506; CN 200880015327 A 20080506; EP 08753335 A 20080506; JP 2010507319 A 20080506; KR 20070045466 A 20070510