

Title (en)

Method for evaluating the status of a fuel/air mixture

Title (de)

Verfahren zur Bewertung des Zustandes eines Kraftstoff-Luftgemisches

Title (fr)

Procédé d'évaluation de l'état d'un mélange carburant-air

Publication

EP 2461009 B1 20131023 (DE)

Application

EP 11190944 A 20111128

Priority

AT 19992010 A 20101201

Abstract (en)

[origin: EP2461009A1] The method involves storing sample signals of flame light signals in a database, where the flame light signal, particularly the flame intensity of the combustion in the combustion chamber is detected and is compared with the stored sample signals. An evaluation of the state is outputted in the case of coincidence between the measured and stored signal patterns. The sample signals in the database are stored with the assigned emission values. An evaluation of the state of the combustion is performed with respect to the obtained emissions. An independent claim is also included for a device for executing a fuel-air mixture state evaluation method.

IPC 8 full level

F02D 41/14 (2006.01); **F23N 5/08** (2006.01); **G01M 15/10** (2006.01)

CPC (source: EP US)

F02D 35/022 (2013.01 - EP US); **F02D 35/023** (2013.01 - EP US); **F02D 41/1466** (2013.01 - EP US); **F02P 13/00** (2013.01 - EP US)

Cited by

AT520434A4; AT520434B1; EP3588051A1

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 2461009 A1 20120606; **EP 2461009 B1 20131023**; AT 510702 A4 20120615; AT 510702 B1 20120615; JP 2012118080 A 20120621; JP 5939663 B2 20160622; US 2012143458 A1 20120607; US 8775049 B2 20140708

DOCDB simple family (application)

EP 11190944 A 20111128; AT 19992010 A 20101201; JP 2011264108 A 20111201; US 201113306241 A 20111129