Title (en)

Process for adapting a fuel-air mixture in a combustion engine and electronic control device

Title (de)

Verfahren zur Adaption eines Kraftstoff-Luft-Gemisches bei einem Verbrennungsmotor und elektronische Steuereinrichtung

Title (fr)

Procédé pour l'adaptation d'un mélange air-carburant dans un moteur à combustion interne et appareil de commande électronique

Publication

EP 1382822 A3 20060927 (DE)

Application

EP 03007515 A 20030401

Priority

DE 10232537 A 20020718

Abstract (en)

[origin: EP1382822A2] The method involves adapting different types of fuel-air mixture deviation by estimating the influence of a first type of mixture deviation on a previously conducted mixture deviation of a second type during or after adaptation of the first type of mixture deviation and correcting the adaptation of the second type of deviation depending on the estimate. AN Independent claim is also included for the following: (a) an electronic controller for implementing the inventive method.

IPC 8 full level

F02D 41/08 (2006.01); **F02D 45/00** (2006.01); **F02D 41/04** (2006.01); **F02D 41/14** (2006.01); **F02D 41/20** (2006.01); **F02D 41/28** (2006.01); F02D 41/30 (2006.01)

CPC (source: EP)

F02D 41/08 (2013.01); **F02D 41/1402** (2013.01); F02D 41/1406 (2013.01); F02D 41/3029 (2013.01); F02D 2041/141 (2013.01)

Citation (search report)

- [A] GB 2162662 A 19860205 - FUJI HEAVY IND LTD
- [A] DE 10043689 A1 20020314 - BOSCH GMBH ROBERT [DE]
- [A] DE 10043072 A1 20020314 - BOSCH GMBH ROBERT [DE]

Cited by

US7726276B2; WO2007104608A1; US7996144B2; DE102011006587A1; US8903629B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1382822 A2 20040121; **EP 1382822 A3 20060927**; **EP 1382822 B1 20080402**; DE 10232537 A1 20040129; DE 50309519 D1 20080515; JP 2004052760 A 20040219; JP 4809576 B2 20111109

DOCDB simple family (application)

EP 03007515 A 20030401; DE 10232537 A 20020718; DE 50309519 T 20030401; JP 2003178198 A 20030623