

Title (en)

METHOD OF LIMITING A PARAMETER CORRECTION PERFORMED BY SEVERAL ADAPTATION VALUES IN AN ENGINE CONTROL DEVICE

Title (de)

VERFAHREN ZUR BEGRENZUNG EINER VON MEHREREN ADAPTATIONSWERTEN AUSGEFÜHRTEN PARAMETERKORREKTUR IN EINER MOTORSTEUERUNG

Title (fr)

PROCEDE DE LIMITATION D'UNE CORRECTION DE PARAMETRE EFFECTUEE PAR PLUSIEURS ADAPTATIFS DANS UN CONTROLE MOTEUR

Publication

EP 4348024 A1 20240410 (FR)

Application

EP 22717644 A 20220330

Priority

- FR 2105501 A 20210527
- FR 2022050595 W 20220330

Abstract (en)

[origin: WO2022248782A1] The invention relates to a method, implemented in an engine control device of a vehicle, of limiting a correction of at least one parameter, said correction being performed by several adaptation values, the method comprising the following steps: - calculating (10), for every adaptation value, an individual impact value indicating the impact said adaptation value has on the at least one parameter for a current operating point of the engine; - calculating (12) an overall impact value of the impact of all the adaptation values on said at least one parameter for the current operating point of the engine; - comparing (14) the calculated overall impact value with at least one predefined overall impact threshold value; - calculating (16), depending on the result of the comparison, a reduction factor to be applied to the adaptation values; and - applying (18) the calculated reduction factor to each of the adaptation values, thereby providing a set of reduced adaptation values.

IPC 8 full level

F02D 41/24 (2006.01); **F02D 13/02** (2006.01); **F02D 41/22** (2006.01)

CPC (source: EP)

F02D 41/2454 (2013.01); **F02D 41/248** (2013.01); **F02D 41/2483** (2013.01); **F02D 13/0219** (2013.01); **F02D 41/2467** (2013.01)

Citation (search report)

See references of WO 2022248782A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022248782 A1 20221201; EP 4348024 A1 20240410; FR 3123386 A1 20221202; FR 3123386 B1 20230414

DOCDB simple family (application)

FR 2022050595 W 20220330; EP 22717644 A 20220330; FR 2105501 A 20210527