Title (en)

Method of self-correction of physical parameters in a dynamic system such as an internal combustion engine

Title (de)

Verfahren zur Selbstkorrektor von physikalischen Parametern für ein dynamisches System, wie zum Beispiel eine Brennkraftmaschine

Title (fr)

Procédé d'auto-correction de paramètres physiques d'un système dynamique, tel qu'un moteur à combustion interne

Publication

EP 0736680 B1 19991027 (FR)

Application

EP 96105600 A 19960409

Priority

FR 9504233 A 19950406

Abstract (en)

[origin: EP0736680A1] The correction system provides automatic correction of at least one physical parameter during the operation of the i.c. engine, by simulating the parameter using a function in terms of the parameter gradient (X). The error between the simulated parameter value calculated using this function and the actual measured parameter value is determined at the same time as the calculation of the simulated parameter and used for correction of the parameter gradient, for improving the simulation accuracy for the next simulation calculation.

IPC 1-7

F02D 41/04; F02D 41/14; F02D 41/32

IPC 8 full level

F02D 41/04 (2006.01); **F02D 41/14** (2006.01); **F02D 41/32** (2006.01)

CPC (source: EP)

F02D 41/045 (2013.01); **F02D 41/1401** (2013.01); **F02D 41/32** (2013.01); F02D 2041/1433 (2013.01); F02D 2041/1437 (2013.01)

Cited by

CN114460222A; US7325210B2; CN102562335A

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

EP 0736680 A1 19961009; **EP 0736680 B1 19991027**; DE 69604853 D1 19991202; DE 69604853 T2 20000420; ES 2138259 T3 20000101; FR 2732724 A1 19961011; FR 2732724 B1 19970509

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EP 96105600 A 19960409; DE 69604853 T 19960409; ES 96105600 T 19960409; FR 9504233 A 19950406