

Title (en)

METHOD FOR ADJUSTING A DEFINED OXYGEN CONCENTRATION BY MEANS OF BINARY LAMBDA REGULATION IN ORDER TO DIAGNOSE AN EXHAUST GAS CATALYST

Title (de)

VERFAHREN ZUR EINSTELLUNG EINER DEFINIERTEN SAUERSTOFFBELADUNG MIT BINÄRER LAMBDAREGELUNG ZUR DURCHFÜHRUNG DER ABGASKATALYSATORDIAGNOSE

Title (fr)

PROCEDE POUR REGLER UNE CHARGE D'OXYGENE DEFINIE A L'AIDE D'UNE REGULATION LAMBDA BINAIRE EN VUE D'EFFECTUER UN DIAGNOSTIC D'UN CATALYSEUR

Publication

EP 1478834 B1 20071226 (DE)

Application

EP 04702313 A 20040115

Priority

- DE 10307010 A 20030219
- EP 2004000272 W 20040115

Abstract (en)

[origin: DE10307010B3] Control unit (3) for adjusting a defined oxygen charge with binary lambda regulation for carrying out catalyst diagnosis is connected to a mixing unit (1) for adjusting the fuel mixture to a lean or rich phase using a lambda regulating factor, and a sensor (4) for detecting a lean or rich exhaust gas. The control unit increases the lambda regulating factor in increments with a rich exhaust gas of the fuel mixture and changes the lambda regulating factor by a P-jump. An Independent claim is also included for a process for adjusting a defined oxygen charge with binary lambda regulation for carrying out catalyst diagnosis using the above unit.

IPC 8 full level

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CPC (source: EP US)

F02D 41/0295 (2013.01 - EP US); **F02D 41/1454** (2013.01 - EP US); **F02D 41/1477** (2013.01 - EP US); **F02D 41/1495** (2013.01 - EP US); **F02D 41/1456** (2013.01 - EP US); **F02D 2200/0814** (2013.01 - EP US); **F02D 2200/0816** (2013.01 - EP US)

Cited by

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DE 10307010 A 20030219; DE 502004005778 T 20040115; EP 04702313 A 20040115; EP 2004000272 W 20040115; US 51064805 A 20050603