

Title (en)

METHOD FOR HEATING UP CATALYSTS IN THE EXHAUST GAS OF INTERNAL COMBUSTION ENGINES

Title (de)

VERFAHREN ZUR AUFHEIZUNG VON KATALYSATOREN IM ABGAS VON VERBRENNUNGSMOTOREN

Title (fr)

PROCEDE DE CHAUFFAGE DE CATALYSEURS MONTES DANS LES SYSTEMES D'ECHAPPEMENT DES GAZ DE MOTEURS A COMBUSTION INTERNE

Publication

EP 1315890 A1 20030604 (DE)

Application

EP 01967014 A 20010830

Priority

- DE 0103230 W 20010830
- DE 10043366 A 20000902

Abstract (en)

[origin: WO0218764A1] The invention relates to a method for heating up a catalyst (15) in the exhaust gas of an internal combustion engine (1) which can be operated in different operating modes and which allows selection of at least one of a plurality of heating measures. According to the inventive method, first an estimation is made for the plurality of heating measures whether an individual heating measure can provide the desired heating effect. In a subsequent estimation step it is estimated whether an individual heating measure can be carried out in the actual operating mode regarding the exhaust gas values and the operating mode of the internal combustion engine required for said heating measure. The operating mode is requested in which these requirements can be best met. Depending on the actual operating mode at least one possible heating measure is then activated. The invention further relates to an electronic control device for carrying out said method.

IPC 1-7

F02D 41/02; F02D 41/30; F02D 41/40

IPC 8 full level

F02P 5/15 (2006.01); **F01N 3/20** (2006.01); **F02D 41/02** (2006.01); **F02D 41/22** (2006.01); **F02D 41/30** (2006.01); **F02D 41/34** (2006.01); **F02D 41/40** (2006.01); **F01N 3/08** (2006.01)

CPC (source: EP)

F01N 3/0842 (2013.01); **F02D 41/024** (2013.01); **F02D 41/3029** (2013.01); **F02D 41/3076** (2013.01); **F02D 41/405** (2013.01); **Y02T 10/12** (2013.01); **Y02T 10/40** (2013.01)

Citation (search report)

See references of WO 0218764A1

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

WO 0218764 A1 20020307; DE 10043366 A1 20020314; EP 1315890 A1 20030604; JP 2004507654 A 20040311

DOCDB simple family (application)

DE 0103230 W 20010830; DE 10043366 A 20000902; EP 01967014 A 20010830; JP 2002522658 A 20010830