Title (en)

METHOD FOR DETERMINING THRESHOLDS FOR AN OFFSET OF A VOLTAGE LAMBDA CHARACTERISTIC CURVE OF A LAMBDA PROBE

Title (de)

VERFAHREN ZUM BESTIMMEN VON GRENZWERTEN FÜR EINEN OFFSET EINER SPANNUNGS-LAMBDA-KENNLINIE EINER LAMBDASONDE

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE VALEURS LIMITES D'UN DÉCALAGE D'UNE CARACTÉRISTIQUE TENSION-LAMBDA D'UNE SONDE LAMBDA

Publication

EP 3250802 A1 20171206 (DE)

Application

EP 16703275 A 20160125

Priority

- DE 102015201400 A 20150128
- EP 2016051417 W 20160125

Abstract (en)

[origin: WO2016120190A1] The invention relates to a method for determining thresholds for an offset of a voltage lambda characteristic curve of a first lambda probe (14) arranged in an exhaust gas channel (14) of an internal combustion engine (10) relative to a reference voltage lambda characteristic curve, wherein a first measurement signal of the first lambda probe (14), a second measurement signal of a second lambda probe (18), and an oxygen balance of a catalyst (16) between the first lambda probe (14) and the second lambda probe (18) are used. An upper threshold is determined on the basis of a first assumption, from which a first value for a sum of an oxygen discharge and an oxygen storage fill state difference results, and a lower threshold is determined on the basis of a second assumption, from which a second value for a sum of an oxygen discharge and an oxygen storage fill state difference results, said first value being greater than the second value.

IPC 8 full level

F02D 41/14 (2006.01); **F02D 41/02** (2006.01); **F02D 41/24** (2006.01)

CPC (source: CN EP)

F02D 41/0295 (2013.01 - CN EP); **F02D 41/1441** (2013.01 - CN EP); **F02D 41/1445** (2013.01 - CN EP); **F02D 41/1454** (2013.01 - CN EP); **F02D 41/2454** (2013.01 - CN EP); F02D 41/1456 (2013.01 - CN EP); F02D 41/1495 (2013.01 - CN EP); F02D 41/2474 (2013.01 - CN EP); F02D 2200/0814 (2013.01 - CN EP); F02D 2200/0816 (2013.01 - CN EP)

Citation (search report)

See references of WO 2016120190A1

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

DOCDB simple family (publication)

DE 102015201400 A1 20160728; CN 107208565 A 20170926; CN 107208565 B 20201218; EP 3250802 A1 20171206; WO 2016120190 A1 20160804

DOCDB simple family (application)

DE 102015201400 A 20150128; CN 201680007855 A 20160125; EP 16703275 A 20160125; EP 2016051417 W 20160125