

Title (en)
METHOD FOR OPERATING A LAMBDA PROBE

Title (de)
VERFAHREN ZUM BETREIBEN EINER LAMBDASONDE

Title (fr)
PROCÉDÉ POUR FAIRE FONCTIONNER UNE SONDÉ LAMBDA

Publication
EP 2697487 A1 20140219 (DE)

Application
EP 11794047 A 20111207

Priority
• DE 102011017015 A 20110414
• EP 2011006124 W 20111207

Abstract (en)
[origin: WO2012139608A1] The invention relates to a method for operating a lambda probe (10), wherein in a first operating mode the resistance of a Nernst cell (12) of the lambda probe (10) is measured and the temperature of the lambda probe (10) is determined on the basis of the measured resistance, wherein a heating voltage of a heating device (24) of the lambda probe (10) is set according to the difference between the measured temperature and a set temperature, wherein in a second operating mode the lambda probe (10) is operated at a specified temperature and the resistance of the Nernst cell (12) is measured during the operation at the specified temperature, wherein a correction factor for the determination of the temperature of the lambda probe (10) in the first operating mode is determined from the difference of the measured resistance from a specified set resistance.

IPC 8 full level
F01N 3/08 (2006.01); **F01N 11/00** (2006.01); **G01N 27/12** (2006.01); **G01N 27/406** (2006.01); **G01N 27/407** (2006.01); **G01N 27/417** (2006.01); **G01N 33/00** (2006.01)

CPC (source: EP)
F01N 11/007 (2013.01); **G01N 27/4067** (2013.01); **F01N 2560/025** (2013.01); **Y02T 10/40** (2013.01)

Citation (search report)
See references of WO 2012139608A1

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

DOCDB simple family (publication)
DE 102011017015 A1 20121018; **DE 102011017015 B4 20230921**; EP 2697487 A1 20140219; WO 2012139608 A1 20121018

DOCDB simple family (application)
DE 102011017015 A 20110414; EP 11794047 A 20111207; EP 2011006124 W 20111207