

Title (en)

METHOD FOR OPERATING A SENSOR ELEMENT, AND CORRESPONDING SENSOR ELEMENT

Title (de)

VERFAHREN ZUM BETREIBEN EINES SENSORELEMENTS UND SENSORELEMENT

Title (fr)

PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN ÉLÉMENT CAPTEUR ET ÉLÉMENT CAPTEUR CORRESPONDANT

Publication

EP 2411794 A2 20120201 (DE)

Application

EP 10709446 A 20100218

Priority

- EP 2010052043 W 20100218
- DE 102009001840 A 20090325

Abstract (en)

[origin: WO2010108731A2] The invention relates to a method for operating a sensor element for determining the concentration of gas components in the exhaust gas of internal combustion engines, especially a lambda probe. Said method is characterised by the following steps: the inner resistance of the sensor element is determined, and the pump voltage of the reference electrode is readjusted when the inner resistance falls as the temperature rises, in such a way that the regulating point of the sensor element does not change and the pump flow does not fall below a pre-determined minimal value.

IPC 8 full level

G01N 27/406 (2006.01)

CPC (source: EP)

G01N 27/4065 (2013.01); **G01N 27/4073** (2013.01)

Citation (search report)

See references of WO 2010108731A2

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010108731 A2 20100930; WO 2010108731 A3 20101125; CN 102362174 A 20120222; CN 102362174 B 20141105; DE 102009001840 A1 20100930; EP 2411794 A2 20120201; RU 2011142616 A 20130427; RU 2541702 C2 20150220

DOCDB simple family (application)

EP 2010052043 W 20100218; CN 201080013362 A 20100218; DE 102009001840 A 20090325; EP 10709446 A 20100218; RU 2011142616 A 20100218