

Title (en)

Process for checking the operability of the heater of a lambda sensor in the exhaust pipe of an internal combustion engine

Title (de)

Verfahren zur Überprüfung der Funktionsfähigkeit der elektrischen Heizung einer Lambda-Sonde im Abgasrohr einer Brennkraftmaschine

Title (fr)

Procédé de contrôle du fonctionnement du chauffage de la sonde lambda dans l'échappement d'un moteur à combustion

Publication

EP 0877159 A3 19991229 (DE)

Application

EP 98106013 A 19980402

Priority

DE 19719390 A 19970507

Abstract (en)

[origin: EP0877159A2] The method involves measuring the electrical resistance (RL) of the heater when the heating current (IH) has been switched off and a measurement current (IM) applied which is lower than the heating current. The electrical resistance of the heater is connected to a positive voltage to apply the heating or measurement current.

IPC 1-7

F02D 41/14; **F02D 41/22**

IPC 8 full level

G01N 27/409 (2006.01); **F02D 41/14** (2006.01); **F02D 41/22** (2006.01); **G01N 27/26** (2006.01); **G01R 27/02** (2006.01)

CPC (source: EP US)

F02D 41/1494 (2013.01 - EP US); **F02D 41/1495** (2013.01 - EP US)

Citation (search report)

- [DA] DE 4132008 A1 19930401 - BOSCH GMBH ROBERT [DE]
- [A] US 5392643 A 19950228 - O'KENNEDY MAURA P [US], et al
- [A] WO 9109219 A1 19910627 - BOSCH GMBH ROBERT [DE]

Cited by

DE102016202854A1; DE10233418B4

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0877159 A2 19981111; **EP 0877159 A3 19991229**; **EP 0877159 B1 20030625**; DE 19719390 A1 19981112; DE 59808786 D1 20030731; ES 2202676 T3 20040401; JP H1183790 A 19990326; US 5929328 A 19990727

DOCDB simple family (application)

EP 98106013 A 19980402; DE 19719390 A 19970507; DE 59808786 T 19980402; ES 98106013 T 19980402; JP 11926398 A 19980428; US 7391598 A 19980507