

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]

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DE102016202854A1; DE10233418B4

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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