

Title (en)

Method and device for controlling an internal combustion engine

Title (de)

Verfahren und Vorrichtung zur Regelung einer Verbrennungskraftmaschine

Title (fr)

Procédé et dispositif de commande d'un moteur à combustion interne

Publication

EP 1143132 A3 20020807 (DE)

Application

EP 01106488 A 20010326

Priority

DE 10016886 A 20000405

Abstract (en)

[origin: EP1143132A2] The method involves measuring the residual oxygen in the exhaust gas with a linear broad band lambda probe and passing a corresponding signal to a controller that generates a signal for influencing the air-fuel ratio into the engine. The actual lambda probe characteristic gradient is determined while it is in use for controlling an engine and its deviation from a desired gradient determined, from which a probe signal correction value is derived. An Independent claim is also included for an arrangement for lambda control of an internal combustion engine.

IPC 1-7

F02D 41/14

IPC 8 full level

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

CPC (source: EP)

F02D 41/1456 (2013.01); **F02D 41/1493** (2013.01); **F02D 41/2454** (2013.01); **F02D 41/2474** (2013.01)

Citation (search report)

- [XY] DE 19842425 A1 20000330 - SIEMENS AG [DE]
- [Y] DE 4440639 A1 19950524 - ATLAS FAHRZEUGTECHNIK GMBH [DE]
- [X] US 4753203 A 19880628 - YAMADA TETSUSYO [JP]
- [PX] EP 1048834 A2 20001102 - SIEMENS AG [DE]

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Designated contracting state (EPC)

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EP 1143132 A2 20011010; **EP 1143132 A3 20020807**; **EP 1143132 B1 20060614**; AT E330117 T1 20060715; DE 10016886 A1 20011018; DE 50110097 D1 20060727

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