

Title (en)

A PROCESS AND DEVICE FOR LAMBDA CONTROL

Publication

EP 0442873 B1 19930818 (DE)

Application

EP 89903086 A 19890317

Priority

DE 3837984 A 19881109

Abstract (en)

[origin: WO9005240A1] A device for lambda control operates on an internal combustion engine (11) with a catalyst (12) and lambda probes, one (13.v) arranged in front and the other (13.h) behind it. Using integration means (15), the device integrates the difference between the actual value of lambda measured by the rearward probe and the nominal one on which adjustment is to be made. The integration figure is used as a regulating rating for a means (16) of lambda control. This device and the relevant process make it possible to regulate to the actually desired lambda figure even when the forward lambda probe is making false measurements, e.g. owing to hydrocarbons in the exhaust gases in front of the catalyst or, on constant control, the faulty linearisation of the probe characteristic.

IPC 1-7

F02D 41/14

IPC 8 full level

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CPC (source: EP KR US)

F02D 41/14 (2013.01 - KR); **F02D 41/1441** (2013.01 - EP US); **F02D 41/1456** (2013.01 - EP US)

Citation (examination)

US 3939654 A 19760224 - CREPS WENDELL D

Cited by

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WO 9005240 A1 19900517; DE 58905338 D1 19930923; EP 0442873 A1 19910828; EP 0442873 B1 19930818; JP 3040411 B2 20000515; JP H04501447 A 19920312; KR 0137138 B1 19980425; KR 900702202 A 19901206; US 5224345 A 19930706

DOCDB simple family (application)

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