

Title (en)

Method for calibration of a wideband lambda probe used in internal combustion engines

Title (de)

Verfahren zur Kalibrierung einer in Verbrennungskraftmaschinen eingesetzten Breitband-Lambdasonde

Title (fr)

Procédé d'étalonnage d'une sonde lambda à large bande utilisée dans des moteurs à combustion interne

Publication

EP 1079090 B1 20060503 (DE)

Application

EP 00116857 A 20000804

Priority

DE 19939555 A 19990820

Abstract (en)

[origin: EP1079090A2] To calibrate the sensor and compensate for manufacturing tolerances a correction value is determined as follows. With the engine running with $\lambda = 1$ a fuel mass m_{K1} and air mass flow m_{L1} are determined. Then, with $\lambda = 1$ (lean or fat mixture) values m_{K2} and m_{L2} are measured. Based on these values the correction value for the condition $\lambda = 1$ is derived

IPC 8 full level

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CPC (source: EP)

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Cited by

FR2849112A1; CN103573440A; US7174713B2; US10557431B2; US7308354B2; WO03046356A3; WO2004065774A1

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EP 1079090 A2 20010228; **EP 1079090 A3 20030305**; **EP 1079090 B1 20060503**; AT E325266 T1 20060615; DE 19939555 A1 20010222; DE 50012679 D1 20060608

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