

Title (en)

PROCESS FOR THE SELECTIVE LAMBDA CONTROL OF A CYLINDER IN A MULTI-CYLINDER INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR ZYLINDERSELEKTIVEN LAMBDA-REGELUNG EINER MEHRZYLINDER-BRENNKRAFTMASCHINE

Title (fr)

PROCEDE DE REGULATION LAMBDA D'UN CYLINDRE INDIVIDUEL D'UN MOTEUR A COMBUSTION INTERNE MULTI-CYLINDRE

Publication

**EP 0826100 B1 19991103 (DE)**

Application

**EP 96913453 A 19960502**

Priority

- DE 9600760 W 19960502
- DE 19516209 A 19950503

Abstract (en)

[origin: WO9635048A1] There are two control circuits for individual-cylinder lambda control. An outer control loop regulates the air ratio in the total exhaust gas by means of a proportional integral regulator and the air ratio is cylinder-selectively regulated in an inner control loop. Use is made in identifying the individual cylinder air ratios of a gradient process by means of which a qualitative evaluation may be made concerning variations in the individual cylinder air ratios on the basis of the rise characteristic of the oxygen sensor signal. A 2-point proportional integral regulator is used to cancel out the air ratio differences between the individual cylinders.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

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