

Title (en)

METHOD AND APPARATUS FOR CONTROLLING THE LAMBDA OF THE FUEL MIXTURE FOR A COMBUSTION ENGINE

Publication

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Application

EP 84107679 A 19840703

Priority

DE 3327156 A 19830728

Abstract (en)

[origin: US4603670A] A method of and a device for regulating air-fuel ratio of an internal combustion engine includes an oxygen or lambda probe and a signal processing unit connected to the lambda probe. The change-overs of the lambda signal at the output of the lambda probe are compared with a succession of adjustable first time intervals t1 and, when no change-over is detected during the first time interval, the output signal from the signal processing unit which controls the air-fuel ratio is abruptly changed in a jump. To avoid overshoot of the output control signal, there is provided a resetting unit by means of which the jump of the control signal is reversed when the change-over of the lambda signal occurs in an additional monitoring time interval t2 following the first monitoring time interval t1.

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