

Title (en)

Apparatus for regulating the idling speed of the engine of a vehicle

Title (de)

Vorrichtung zur Leerlaufregelung einer Kraftfahrzeug-Brennkraftmaschine

Title (fr)

Dispositif pour régler la vitesse de valenti d'un moteur de véhicule

Publication

EP 0647775 B1 20030409 (DE)

Application

EP 94113276 A 19940825

Priority

DE 4334557 A 19931011

Abstract (en)

[origin: EP0647775A2] In an apparatus for controlling the idling speed of the engine of a vehicle with two rows of cylinders, each of which is assigned a catalytic converter with a lambda probe, the injection valves of each of the two rows of cylinders are alternately switched off when the engine is idling. This switchover from switching off the injection valves of one row of cylinders to those of the other is performed whenever the temperature of the catalytic converter assigned to the row of cylinders which happens to be switched off undershoots a predetermined limiting temperature. As an alternative, in the case of an apparatus for controlling the idling speed of the engine of a vehicle with just one catalytic converter and one lambda probe, when the engine is idling, the injection valves are switched off sequentially in accordance with a predetermined program as a function of the ignition sequence of the engine. This sequential switching-off of the injection valves is cancelled at least for a predetermined period of time if the temperature of the catalytic converter undershoots a predetermined limiting temperature. <IMAGE>

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CPC (source: EP US)

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Citation (examination)

- DE 3623040 A1 19880114 - BOSCH GMBH ROBERT [DE]
- Automotive Handbook, R.Bosch GMBH, 2nd edition, 1986, p. 304-305

Cited by

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