

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE COMBUSTION MODE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG DER BETRIEBSART EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF DE COMMANDE DU MODE DE COMBUSTION D'UN MOTEUR A COMBUSTION INTERNE

Publication

**EP 1115965 B1 20040421 (FR)**

Application

**EP 00938888 A 20000605**

Priority

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- FR 9909617 A 19990723

Abstract (en)

[origin: US6584952B1] Device for controlling the mode of combustion of a controlled-ignition four-stroke petrol engine (1) equipped with a system (2) for the direct injection of fuel into the combustion chamber, with at least one catalytic converter (3) placed in the exhaust line (4) of the engine (1) and with a control system (5) receiving information from sensors (6, 7, 9, 10) relating to the rotational speed and to the load of the engine, to the position of the accelerator pedal, and to the temperatures of the engine and of the exhaust gases, characterized in that the control system (5) includes a device for choosing a priority mode of combustion taking account of the said information and on the basis of an estimate of the combustion efficiency of the various modes available.

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