

Title (en)

Method and apparatus for controlling the combustion characteristics of a spark ignited combustion engine

Title (de)

Verfahren und Einrichtung zur Regelung des Verbrennungsablaufs bei einem Otto-Verbrennungsmotor

Title (fr)

Procédé et dispositif pour la régulation des caractéristiques de combustion d'un moteur à allumage commande

Publication

**EP 0747590 A3 19990203 (DE)**

Application

**EP 96106870 A 19960502**

Priority

DE 19520605 A 19950606

Abstract (en)

[origin: DE19520605C1] Adjustments (10) which will affect the combustion in each successive cycle are made by a fuzzy or conventional PI(D) controller (9) operating on outputs taken during the preceding cycle from a stationary controller (6) of optimised ignition timing, fuel injection start and cut-off, and throttle opening, and from an operating-point characteristic memory (8) and a power and consumption calculator (7). The actual combustion function of the engine (1) is worked out by a neural net (4) and compared (5,6) with a set-point (3) and another stored characteristic (6 bis). The set-point is calculated from the measured actual condition (2) of the engine.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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