

Title (en)

Method and apparatus for controlling a spark ignited internal combustion engine

Title (de)

Verfahren und Vorrichtung zur Steuerung des Betriebs einer fremdgezündeten Brennkraftmaschine

Title (fr)

Procédé et dispositif de contrôle d'un moteur à combustion interne, à allumage commandé

Publication

EP 0886055 B1 20030122 (FR)

Application

EP 98401507 A 19980619

Priority

FR 9707664 A 19970619

Abstract (en)

[origin: EP0886055A1] The connector control process involves controlling injection using calculating electronics. The calculating electronics has three parameters which are applied respectively to controlling air, sparking and richness of a combustion mixture. Linear dynamics of the production of the connector is performed using a logarithmic function and its inverse during engine development. An optimal gain is also calculated during engine development. When the engine is running the calculating electronics determine state variables at each neutral point. A magnitude of a mass of air absorbed and a mass of air exiting a collector as well as mixture richness are calculated. Real and projected coupling values are determined. Control variables for a linear quadratic integral are calculated.

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IPC 8 full level

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CPC (source: EP)

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