

Title (en)

Method for preventing the premature ignition of a fuel-air mixture within a cylinder of an internal combustion engine

Title (de)

Verfahren zur Verhinderung einer Vorentflammung eines Kraftstoff-Luft-Gemisches in einem Zylinderraum einer Brennkraftmaschine

Title (fr)

Procédé destiné à empêcher le préallumage d'un mélange air-carburant dans une chambre de cylindre d'un moteur à combustion interne

Publication

EP 2639433 B1 20170614 (DE)

Application

EP 13154307 A 20130207

Priority

DE 102012005227 A 20120315

Abstract (en)

[origin: EP2639433A1] The method (4) involves determining measure of risk of premature ignition (1) of a portion of a combustion chamber. Measurement of the surface temperature is determined (2) as measure of the risk of the premature ignition for subsequent or later cycle and compared with a predetermined limit value. Alternation in an operating parameter of a drive train is initiated (3) for non-compliance with a threshold value (5) for a preceding cycle in current or following working phase. The parameter of fuel quality is determined from evaluation of activity of knocking control. An independent claim is also included for an engine control equipment.

IPC 8 full level

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CPC (source: EP)

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Cited by

EP3109449A4; US10233799B2; US11034912B2

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