

Title (en)

Method and Engine Control Unit for Low Emission Lean Operation of a Spark Ignition Engine

Title (de)

Verfahren und Motorsteuereinheit zum schadstoffemissionsarmen Magerbetrieb eines Ottomotors

Title (fr)

Procédé et Unité de Commande Moteur pour fonctionnement faible émission en mélange pauvre d'un Moteur à Allumage Commandé

Publication

EP 1340898 A3 20050119 (DE)

Application

EP 02020201 A 20020910

Priority

DE 10208327 A 20020227

Abstract (en)

[origin: EP1340898A2] The engine operating method involves defining a load/revolution rate region for the engine with preferably lower load and lower revolution rate, determining at least temporarily whether the engine is operating in this region and if this is the case, changing the engine to a lean burn mode. The defined region is up to 1 bar load and up to 2000 revolutions per minute. An Independent claim is also included for a control unit for operating an OTTO engine in accordance with the inventive method.

IPC 1-7

F02D 33/02; **F02D 41/30**

IPC 8 full level

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CPC (source: EP)

F02D 41/3076 (2013.01); **F02D 41/3029** (2013.01); **F02D 2041/0015** (2013.01)

Citation (search report)

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- [X] US 2001015194 A1 20010823 - SHIRAISHI TAKUYA [JP], et al
- [E] EP 1277943 A1 20030122 - MAZDA MOTOR [JP]
- [X] DE 4017547 A1 19911205 - SCHRIMPF WERNER [DE]

Designated contracting state (EPC)

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