

Title (en)

Control system for multi-cylinder four-cycle engine

Title (de)

Steuersystem für einen mehrzylindrigen Viertaktmotor

Title (fr)

Système de contrôle pour moteur multicylindrique à quatre cycles

Publication

EP 1840360 B1 20090408 (EN)

Application

EP 07004054 A 20070227

Priority

JP 2006101079 A 20060331

Abstract (en)

[origin: EP1840360A1] In the present invention, when it is determined that combustion failure occurs in a stop-state compression-stroke cylinder (12A) of an engine (1) after ignition during a reverse-rotation operation, a starter motor (36) is activated to drive the engine (1) in a normal rotation direction. In this process, combustion is produced in a stop-state expansion-stroke cylinder (12B), and additional fuel is injected into the stop-state compression-stroke cylinder (12A) which undergoes a compression stroke and having an in-cylinder pressure being gradually increasing, so as to facilitate lowering the in-cylinder pressure based on a latent heat in the cylinder and allow an air-fuel ratio to become overrich to reliably avoid self-ignition in the end gas of a combustion chamber.

IPC 8 full level

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CPC (source: EP)

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Cited by

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