

Title (en)

Controller of an internal combustion engine for synchronizing the engine during the engine shutdown

Title (de)

Brennkraftmaschinesteuerung zur Synchronisation der Maschine während der Abschaltung der Maschine

Title (fr)

Contrôleur d'un moteur à combustion interne pour synchroniser le moteur durant l'arrêt du moteur

Publication

EP 2241739 A2 20101020 (EN)

Application

EP 10159232 A 20100407

Priority

JP 2009092759 A 20090407

Abstract (en)

An ECU includes a backup RAM which stores a learning value of a loss torque characteristic of an engine. The learning value is updated based on the loss torque characteristic which is computed based on an actual engine rotation behavior. The ECU includes a first learning portion (S109) for updating the learning value based on the learning value stored in the memory (Tloss) and a presently computed loss torque characteristic (Tg), and a second learning portion (S112) for updating the learning value based on the presently computed loss torque characteristic (Tlossg) without using the learning value stored in the memory. A switching portion (S107) switches between the first learning portion and the second learning portion in order to update the learning value (Tloss).

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- JP 2008215182 A 20080918 - DENSO CORP
- DE 102008000384 A1 20080925 - DENSO CORP [JP]

Cited by

CN108227482A; CN113217205A; CN103511102A; DE102011090095A1; CN103184944A; DE102011090095B4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

EP 2241739 A2 20101020; **EP 2241739 A3 20180704**; **EP 2241739 B1 20191225**; JP 2010242633 A 20101028; JP 5461049 B2 20140402

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