

Title (en)
ENGINE CONTROL METHOD, COMPUTER PROGRAM PRODUCT, ENGINE CONTROL DEVICE, AND ENGINE SYSTEM

Title (de)
MOTORSTEUERUNGSVERFAHREN, COMPUTERPROGRAMMPRODUKT, MOTORSTEUERUNGSVORRICHTUNG UND MOTORSYSTEM

Title (fr)
PROCÉDÉ DE COMMANDE DE MOTEUR, PRODUIT PROGRAMME INFORMATIQUE, DISPOSITIF DE COMMANDE DE MOTEUR ET SYSTÈME DE MOTEUR

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EP 3730771 A1 20201028 (EN)

Application
EP 20162076 A 20200310

Priority
JP 2019081015 A 20190422

Abstract (en)
When an engine is operated in a first range, a stoichiometric/rich all-cylinder operation execution step is executed where an air-fuel ratio in each cylinder is set to a stoichiometric air-fuel ratio or less, and air-fuel mixture is combusted in all of the cylinders, when a determination is made that the engine is operated in a second range, a lean reduced-cylinder operation execution step is executed where the air-fuel ratio in each cylinder is set higher than the stoichiometric air-fuel ratio, and air-fuel mixture is combusted only in part of the cylinders and, during a predetermined period after a determination is made that an operation point of the engine is shifted from the first range to the second range, a switching step is executed where an amount of air to be introduced into each cylinder is increased such that the air-fuel ratio in each cylinder becomes higher than the stoichiometric air-fuel ratio, and air-fuel mixture is combusted in all of the cylinders.

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Citation (applicant)
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Citation (search report)

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Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

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