

Title (en)  
ENGINE CONTROLLER

Title (de)  
MOTORSTEUERUNG

Title (fr)  
CONTRÔLEUR DE MOTEUR

Publication  
**EP 3002438 A1 20160406 (EN)**

Application  
**EP 15186822 A 20150925**

Priority  
JP 2014200452 A 20140930

Abstract (en)  
A controller (1) of an engine performing a premixed combustion operation and a diffusion combustion operation that are switchable in accordance with the traveling state of a vehicle, includes a detector (2) detecting a sudden-acceleration request for sudden acceleration of the vehicle, on the basis of a driving operation from a driver, and a determiner (6) determining whether the premixed combustion operation is continued or switched to the diffusion combustion operation, using conditions including parameters correlated with the noise level of the engine (10), when the detector (2) detects the sudden-acceleration request in the premixed combustion operation.

IPC 8 full level  
**F02D 41/10** (2006.01); **F02D 41/30** (2006.01); **F02D 41/04** (2006.01)

CPC (source: EP)  
**F02D 41/10** (2013.01); **F02D 41/3035** (2013.01); **F02D 41/3076** (2013.01); **F02D 41/045** (2013.01); **F02D 2200/025** (2013.01)

Citation (applicant)

- JP 5447294 B2 20140319
- JP 3931900 B2 20070620

Citation (search report)

- [XY] JP 2005325811 A 20051124 - TOYOTA MOTOR CORP
- [Y] US 2011320108 A1 20111229 - MORINAGA SHINICHI [JP], et al
- [A] EP 1983179 A1 20081022 - ISUZU MOTORS LTD [JP]
- [A] EP 1785616 A2 20070516 - FORD GLOBAL TECH LLC [US]

Cited by  
CN113586271A; FR3075883A1; US10221788B2; EP3006703A3

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3002438 A1 20160406; EP 3002438 B1 20190313**; JP 2016070174 A 20160509; JP 6413562 B2 20181031

DOCDB simple family (application)  
**EP 15186822 A 20150925**; JP 2014200452 A 20140930