

Title (en)
ENGINE ROTATION SPEED CONTROL DEVICE

Title (de)
MOTORDREHZAHLREGELUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE COMMANDE DE VITESSE DE ROTATION DE MOTEUR

Publication
EP 3150834 A4 20170531 (EN)

Application
EP 15799188 A 20150526

Priority
• JP 2014107783 A 20140526
• JP 2015002637 W 20150526

Abstract (en)
[origin: EP3150834A1] An engine speed control device includes a target engine speed calculation unit that calculates a target engine speed in accordance with an accelerator opening degree of a vehicle, a torque gain calculation unit that calculates a torque gain, on the basis of a change amount of an actual engine speed and an attainment rate of the actual engine speed to the target engine speed, and a system request torque calculation unit that calculates system request torque on the basis of a value obtained by multiplying driver request torque by the torque gain. The system request torque which is calculated in this way is requested to be outputted from an engine of the vehicle, and control of the engine speed is performed.

IPC 8 full level
F02D 45/00 (2006.01); **F02D 31/00** (2006.01); **F02D 35/00** (2006.01); **F02D 41/00** (2006.01); **F02D 41/02** (2006.01); **F02D 41/14** (2006.01)

CPC (source: EP)
F02D 31/001 (2013.01); **F02D 35/0007** (2013.01); **F02D 41/0097** (2013.01); **F02D 41/02** (2013.01); **F02D 45/00** (2013.01); **F02D 2041/1422** (2013.01); **F02D 2200/1002** (2013.01); **F02D 2200/101** (2013.01); **F02D 2200/1012** (2013.01); **F02D 2200/602** (2013.01)

Citation (search report)
• [X] US 2013197775 A1 20130801 - SZWABOWSKI STEVEN JOSEPH [US], et al
• [A] WO 2007141633 A1 20071213 - TOYOTA MOTOR CO LTD [JP], et al
• [A] EP 2461005 A1 20120606 - MITSUBISHI HEAVY IND LTD [JP]
• [A] DE 102011003888 A1 20110811 - TOYOTA MOTOR CO LTD [JP]
• See references of WO 2015182112A1

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 3150834 A1 20170405; **EP 3150834 A4 20170531**; CN 106460716 A 20170222; JP 2015224543 A 20151214; JP 6252356 B2 20171227; WO 2015182112 A1 20151203

DOCDB simple family (application)
EP 15799188 A 20150526; CN 201580026152 A 20150526; JP 2014107783 A 20140526; JP 2015002637 W 20150526