

Title (en)

CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE AND METHOD OF CONTROLLING INTERNAL COMBUSTION ENGINE

Title (de)

STEUERUNGSVORRICHTUNG FÜR VERBRENNUNGSMOTOR UND VERFAHREN ZUR STEUERUNG EINES VERBRENNUNGSMOTORS

Title (fr)

DISPOSITIF DE COMMANDE DESTINÉ À UN MOTEUR À COMBUSTION INTERNE ET PROCÉDÉ DE COMMANDE D'UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 3027887 A1 20160608 (EN)**

Application

**EP 14766201 A 20140730**

Priority

- JP 2013161545 A 20130802
- IB 2014001663 W 20140730

Abstract (en)

[origin: WO2015015296A1] A control device is provided for an internal combustion engine having a filter adapted to trap soot in exhaust gas, an addition valve provided downstream of the filter in a direction of flow of the exhaust gas, and a catalyst that reduces NOx using aqueous urea injected from the addition valve. The control device includes an electronic control unit configured to inhibit execution of automatic stop control for the internal combustion engine when a filter regeneration treatment for burning and removing the soot trapped by the filter is executed.

IPC 8 full level

**F02N 11/08** (2006.01)

CPC (source: EP)

**F01N 3/0253** (2013.01); **F01N 3/2066** (2013.01); **F01N 3/208** (2013.01); **F01N 9/002** (2013.01); **F02N 11/0818** (2013.01); **F02N 11/087** (2013.01); **F01N 2610/02** (2013.01); **F01N 2610/03** (2013.01); **F01N 2610/1493** (2013.01); **F01N 2900/12** (2013.01); **F01N 2900/1808** (2013.01); **F01N 2900/1811** (2013.01); **Y02T 10/12** (2013.01); **Y02T 10/40** (2013.01)

Citation (search report)

See references of WO 2015015296A1

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)

**WO 2015015296 A1 20150205**; AU 2014298123 A1 20160211; AU 2014298123 B2 20160804; EP 3027887 A1 20160608; JP 2015031211 A 20150216

DOCDB simple family (application)

**IB 2014001663 W 20140730**; AU 2014298123 A 20140730; EP 14766201 A 20140730; JP 2013161545 A 20130802