

Title (en)

EXHAUST GAS PURIFICATION APPARATUS FOR INTERNAL COMBUSTION ENGINE AND CONTROL METHOD THEREOF

Title (de)

ABGASREINIGUNGSVORRICHTUNG FÜR EINEN VERBRENNUNGSMOTOR UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

APPAREIL DE PURIFICATION DE GAZ D'ÉCHAPPEMENT POUR MOTEUR À COMBUSTION INTERNE ET SON PROCÉDÉ DE COMMANDE

Publication

EP 3027860 A1 20160608 (EN)

Application

EP 14767079 A 20140716

Priority

- JP 2013157814 A 20130730
- IB 2014001330 W 20140716

Abstract (en)

[origin: WO2015015260A1] An exhaust gas purification apparatus for an internal combustion engine (1), the exhaust gas purification apparatus includes a catalyst (40), a reducing agent supply mechanism (200), a dispersion plate (60), and a control unit (80). The catalyst (40) is configured to purify exhaust gas by adding a reducing agent. The reducing agent supply mechanism (200) is configured to add the reducing agent into an exhaust passage (26). The dispersion plate (60) is provided in the exhaust passage (26) and is configured to disperse the reducing agent upstream of the catalyst (40). The control unit (80) is configured to execute addition of the reducing agent by the reducing agent supply mechanism (200), and the control unit is configured to prohibit the addition of the reducing agent when a temperature of the dispersion plate (60) is lower than a predetermined temperature.

IPC 8 full level

F01N 3/20 (2006.01); **F01N 9/00** (2006.01)

CPC (source: EP)

F01N 3/208 (2013.01); **F01N 9/005** (2013.01); **F01N 2560/026** (2013.01); **F01N 2560/06** (2013.01); **F01N 2610/02** (2013.01); **F01N 2610/102** (2013.01); **F01N 2610/146** (2013.01); **F01N 2610/1493** (2013.01); **F01N 2900/10** (2013.01); **F01N 2900/12** (2013.01); **F01N 2900/1404** (2013.01); **F01N 2900/1411** (2013.01); **Y02A 50/20** (2017.12); **Y02T 10/12** (2013.01); **Y02T 10/40** (2013.01)

Citation (search report)

See references of WO 2015015260A1

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 2015015260 A1 20150205; AU 2014298160 A1 20160218; AU 2014298160 B2 20161006; EP 3027860 A1 20160608; JP 2015028312 A 20150212

DOCDB simple family (application)

IB 2014001330 W 20140716; AU 2014298160 A 20140716; EP 14767079 A 20140716; JP 2013157814 A 20130730