

Title (en)
EXHAUST GAS CONTROL APPARATUS FOR INTERNAL COMBUSTION ENGINE

Title (de)
ABGASENTGIFTUNGSVORRICHTUNG FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
APPAREIL DE RÉGULATION DES GAZ D'ÉCHAPPEMENT POUR MOTEUR À COMBUSTION INTERNE

Publication
EP 3052776 A1 20160810 (EN)

Application
EP 14787262 A 20141001

Priority
• JP 2013209115 A 20131004
• IB 2014002131 W 20141001

Abstract (en)
[origin: WO2015049581A1] An engine is provided with: a urea water supply mechanism that adds ammonia-derived urea water into an exhaust passage; an SCR catalyst that purifies exhaust gas by adding the urea water; an ammonia oxidation catalyst that is provided on a downstream side of the SCR catalyst in the exhaust passage; and a control unit that controls a urea water additive amount by the urea water supply mechanism. Compared to when a temperature of the ammonia oxidation catalyst is lower than a predetermined temperature, when the temperature of the ammonia oxidation catalyst is equal to or higher than the predetermined temperature, the control unit carries out an additive amount reduction process to reduce the urea water additive amount.

IPC 8 full level
F01N 3/20 (2006.01)

CPC (source: EP)
F01N 3/2066 (2013.01); **F01N 3/208** (2013.01); **F01N 2570/18** (2013.01); **F01N 2610/02** (2013.01); **F01N 2900/1404** (2013.01); **F01N 2900/1602** (2013.01); **F01N 2900/1616** (2013.01); **F01N 2900/1622** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)
See references of WO 2015049581A1

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DOCDB simple family (publication)
WO 2015049581 A1 20150409; AU 2014330887 A1 20160428; EP 3052776 A1 20160810; JP 2015071994 A 20150416

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