

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

Title (de)
ABGASENTGIFTUNGSVORRICHTUNG FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
DISPOSITIF DE TRAITEMENT DES GAZ D'ÉCHAPPEMENT POUR MOTEUR À COMBUSTION INTERNE

Publication
EP 2721263 B1 20160330 (EN)

Application
EP 12733217 A 20120615

Priority
• JP 2011135388 A 20110617
• IB 2012001285 W 20120615

Abstract (en)
[origin: WO2012172423A1] An exhaust gas control apparatus for an internal combustion engine (1) is equipped with an exhaust gas control member (31) that is provided in an exhaust passage (26), an addition agent supply mechanism (5) that supplies an addition agent to the exhaust gas control member (31), an exhaust gas recirculation mechanism (13) that recirculates exhaust gas to an intake passage, and a control unit (25) that controls a recirculation amount of exhaust gas recirculated by the exhaust gas recirculation mechanism (13) on the basis of an engine operation state. When a clogging amount at a front end face of the exhaust gas control member (31) has exceeded a predetermined threshold (a), the control unit (25) reduces the recirculation amount to a value that is smaller than when the clogging amount has not exceeded the threshold(a).

IPC 8 full level
F01N 3/025 (2006.01); **F01N 3/035** (2006.01); **F01N 3/10** (2006.01); **F01N 3/20** (2006.01); **F02M 26/00** (2016.01)

CPC (source: EP)
F01N 3/025 (2013.01); **F01N 3/035** (2013.01); **F01N 3/103** (2013.01); **F02M 26/05** (2016.02); **F02M 26/15** (2016.02); **F02B 29/0406** (2013.01); **F02M 26/23** (2016.02)

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

DOCDB simple family (publication)
WO 2012172423 A1 20121220; AU 2012270014 A1 20140116; AU 2012270014 B2 20150723; EP 2721263 A1 20140423; EP 2721263 B1 20160330; JP 2013002388 A 20130107; JP 5815296 B2 20151117

DOCDB simple family (application)
IB 2012001285 W 20120615; AU 2012270014 A 20120615; EP 12733217 A 20120615; JP 2011135388 A 20110617