

Title (en)
EXHAUST GAS PURIFICATION DEVICE FOR INTERNAL COMBUSTION ENGINE

Title (de)
ABGASREINIGUNGSVORRICHTUNG FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
ÉPURATEUR DE GAZ D'ÉCHAPPEMENT POUR MOTEUR À COMBUSTION INTERNE

Publication
EP 2013455 A1 20090114 (EN)

Application
EP 07742870 A 20070426

Priority
• JP 2007059435 W 20070426
• JP 2006123785 A 20060427

Abstract (en)
[origin: WO2007126140A1] A NOx absorbent is arranged in an exhaust passage of an internal combustion engine, and a fuel supply valve (28) is arranged in the exhaust passage upstream of the NOx absorbent. If the temperature of the NOx absorbent is lower than a predetermined temperature when the NOx must be released from the NOx absorbent, the air-fuel ratio of exhaust gas flowing through the NOx absorbent is first switched from a basic lean air-fuel ratio to and maintained at a lean air-fuel ratio with a lower leanness for a predetermined lean time, and is then switched to a rich air-fuel ratio. If the temperature of the NOx absorbent is higher than the predetermined temperature when the NOx must be released from the NOx absorbent, the air-fuel ratio of the exhaust gas flowing through the NOx absorbent is switched to the rich air-fuel ratio without being switched to the lean air-fuel ratio with a lower leanness.

IPC 8 full level
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Citation (search report)
See references of WO 2007126140A1

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DE FR GB

Designated extension state (EPC)
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DOCDB simple family (publication)
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