Title (en)

EXHAUST GAS PURIFICATION SYSTEM FOR INTERNAL COMBUSTION ENGINE

Title (de)

ABGASREINIGUNGSSYSTEM FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

SYSTEME DE PURIFICATION DES GAZ D'ECHAPPEMENT DESTINE A UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1882088 B8 20140219 (EN)

Application

EP 06732640 A 20060512

Priority

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- JP 2005145495 A 20050518

Abstract (en)

[origin: WO2006123761A1] The present invention is directed to an exhaust gas purification system for an internal combustion engine (1) that performs high pressure PM filter regeneration process by decreasing the degree of opening of an exhaust throttle valve (12) in regenerating the particulate matter trapping capacity of a particulate filter (11) and has as an object to provide a technology that enables to perform the high pressure PM filter regeneration process while suppressing excessive temperature rise of the particulate filter even while the vehicle is moving. According to the invention, a prediction is made, when the high pressure PM filter regeneration process is performed, as to whether there is a possibility that the temperature of the particulate filter will reach a predetermined upper limit temperature, and the pressure inside the particulate filter is controlled in accordance with the prediction.

IPC 8 full level

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