

Title (en)

EXHAUST GAS-PURIFYING APPARATUS AND EXHAUST GAS-PURIFYING METHOD

Title (de)

ABGASREINIGUNGSGERÄT UND ABGASREINIGUNGSVERFAHREN

Title (fr)

APPAREIL DE PURIFICATION DE GAZ D'ECHAPPEMENT ET PROCEDE DE PURIFICATION DE GAZ D'ECHAPPEMENT

Publication

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Application

EP 07706876 A 20070110

Priority

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Abstract (en)

[origin: WO2007083639A1] An exhaust gas purifying apparatus, including an NO_x occlusion reduction catalyst (2) and a filter catalyst (3) arranged in series, is used, and the exhaust gas is allowed to flow from the NO_x occlusion reduction catalyst (2) to the filter catalyst (3) in a normal flow process, and, in a recovery process for allowing exhaust gas added with a reducing agent to flow, the flow direction of the exhaust gas is reversed toward the NO_x occlusion reduction catalyst (2) from the filter catalyst (3). Since the exhaust gas is heated by reaction heat of the filter catalyst (3), the NO_x occlusion reduction catalyst (2) can recover from sulfur poisoning in the exhaust gas at a low temperature. Thereby, overheating of the filter catalyst (3) is prevented. Therefore, recovery from sulfur poisoning can be improved, and also deterioration and breakage of the filter catalyst can be prevented.

IPC 8 full level

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