

Title (en)

CATALYST MONITORING SYSTEM AND MONITORING METHOD

Title (de)

SYSTEM UND VERFAHREN ZUR KATALYSATORÜBERWACHUNG

Title (fr)

SYSTÈME ET PROCÉDÉ DE SURVEILLANCE DU FONCTIONNEMENT D'UN CATALYSEUR

Publication

EP 2057366 A1 20090513 (EN)

Application

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Priority

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- JP 2006234408 A 20060830

Abstract (en)

[origin: WO2008029236A1] A catalyst monitoring system diagnoses deterioration of an NOx catalyst (18) which is arranged in an exhaust passage (12) of an internal combustion engine (10). An NOx sensor (25) is arranged downstream of the NOx catalyst (18). An output integrated value of the NOx sensor (25) is calculated by integrating an output from the NOx sensor (25) is calculated by integrating an output from the NOx sensor (25) during at least a period near the end of rich spike control. Deterioration of the NOx catalyst (18) is diagnosed based on the output integrated value of the NOx sensor (25), as there is a correlation between the amount of ammonia NH₃ which flows downstream of the NOx catalyst and the NOx sensor output integrated value near the line when the rich spike control ends.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2008029236A1

Cited by

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DOCDB simple family (publication)

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