

Title (en)

Catalyst deterioration determination apparatus of internal combustion engine

Title (de)

Vorrichtung zur Bestimmung der Alterung eines Katalysators einer Brennkraftmaschine

Title (fr)

Dispositif pour la détermination de la détérioration d'un catalyseur pour un moteur à combustion interne

Publication

**EP 1519021 A2 20050330 (EN)**

Application

**EP 04023104 A 20040928**

Priority

JP 2003337696 A 20030929

Abstract (en)

In an internal combustion engine (2), during sulfur release control for permitting an exhaust purification catalyst to recover from a sulfur poisoned state, a richening period, in which fuel is supplied to exhaust gas, and a non richening period, in which no fuel is supplied to exhaust, are repeated. The ratio of the duration of the richening period to the duration of the non-richening period is changed according to the deterioration degree of the exhaust purification catalyst. Thus, even if the deterioration degree of the exhaust purification catalyst changes, an excessive increase in the catalyst bed temperature and a lowered accuracy of the sulfur release control are reliably suppressed. <IMAGE>

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Cited by

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