

Title (en)

Catalyst deterioration determination device and method

Title (de)

Vorrichtung und Verfahren zur Bestimmung der Alterung eines Katalysators

Title (fr)

Dispositif et procédé pour la détermination de la détérioration d'un catalyseur

Publication

EP 2151555 A1 20100210 (EN)

Application

EP 09166370 A 20090724

Priority

- JP 2008201475 A 20080805
- JP 2009074631 A 20090325

Abstract (en)

A catalyst deterioration determination device determines whether or not a catalyst which purifies exhaust gases exhausted from an internal combustion engine is deteriorated based on the capacity of the catalyst for purifying exhaust gases. If it is determined that the catalyst is deteriorated, first sulfur elimination control is executed for eliminating sulfur content accumulated in the catalyst. Further, when the first sulfur elimination control is terminated, the deterioration determination of the catalyst is executed. Then, when it is determined by the deterioration determination that the catalyst is not deteriorated, it is determined that the fuel is high-sulfur fuel containing lots of sulfur content.

IPC 8 full level

F01N 3/08 (2006.01)

CPC (source: EP US)

F01N 3/0842 (2013.01 - EP US); **F01N 3/0871** (2013.01 - EP US); **F01N 3/0885** (2013.01 - EP US)

Citation (applicant)

JP 2002195089 A 20020710 - DENSO CORP

Citation (search report)

- [XY] WO 0149988 A1 20010712 - BOSCH GMBH ROBERT [DE], et al
- [Y] DE 102005060830 A1 20070628 - UMICORE AG & CO KG [DE]
- [DA] JP 2002195089 A 20020710 - DENSO CORP

Cited by

EP2405108A3; EP3339587A1; CN108361094A; US10006333B1

Designated contracting state (EPC)

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