

Title (en)

NOX STORAGE CATALYST WITH IMPROVED HYDROCARBON CONVERSION ACTIVITY

Title (de)

NOX-SPEICHER-KATALYSATOR MIT VERBESSERTER KOHLENWASSERSTOFFUMWANDLUNGSAKTIVITÄT

Title (fr)

CATALYSEUR DE STOCKAGE DE NOX PRÉSENTANT UNE ACTIVITÉ DE CONVERSION DES HYDROCARBURES AMÉLIORÉE

Publication

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Application

EP 11792037 A 20110609

Priority

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- EP 11792037 A 20110609

Abstract (en)

[origin: WO2011154913A1] The present invention relates to a nitrogen oxide storage catalyst comprising: a substrate; a first washcoat layer provided on the substrate, the first washcoat layer comprising a nitrogen oxide storage material, a second washcoat layer provided on the first washcoat layer, the second washcoat layer comprising a hydrocarbon trap material, wherein the hydrocarbon trap material comprises substantially no element or compound in a state in which it is capable of catalyzing selective catalytic reduction, preferably wherein the hydrocarbon trap material comprises substantially no element or compound in a state in which it is capable of catalyzing a reaction wherein nitrogen oxide is reduced to N₂, said catalyst further comprising a nitrogen oxide conversion material which is either comprised in the second washcoat layer and/or in a washcoat layer provided between the first washcoat layer and the second washcoat layer.

IPC 8 full level

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Citation (search report)

- [X] DE 19617123 A1 19961031 - MAZDA MOTOR [JP]
- [X] EP 1004347 A2 20000531 - DEGUSSA [DE]
- [I] EP 1007190 A1 20000614 - JOHNSON MATTHEY PLC [GB]
- See references of WO 2011154913A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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