

Title (en)
CATALYST AND METHOD FOR THE REDUCTION OF NITROGEN OXIDES

Title (de)
KATALYSATOR UND VERFAHREN ZUR REDUKTION VON STICKOXIDEN

Title (fr)
CATALYSEUR ET PROCÉDÉ DE RÉDUCTION D'OXYDES D'AZOTE

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Application
EP 14706538 A 20140221

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• EP 2014053383 W 20140221
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Abstract (en)
[origin: EP2769760A1] Nitrogen oxide storage catalyst, comprising at least two catalytically active washcoat layers on a supporting body, where a lower washcoat layer (A) contains cerium oxide, an alkaline earth compound and/or an alkaline compound and platinum, and an upper washcoat layer (B), which is arranged on top of washcoat (A), contains cerium oxide, platinum and/or palladium and no alkaline earth compound. The layer (B) is present in an amount of 50-200 g/l, and the minimum mass fraction in percentage of cerium oxide in the layer (B) is calculated by 0.1x amount of the washcoat layer (B) in g/l+30. An independent claim is included for converting nitrogen oxide (NO x) in the exhaust gases of motor vehicles operated using lean-burn engines, comprising passing the exhaust gas through a nitrogen oxide storage catalyst on a supporting body.

IPC 8 full level
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Citation (examination)
• US 2011305612 A1 20111215 - MUELLER-STACH TORSTEN [DE], et al
• WO 2013151557 A1 20131010 - BASF CORP [US], et al
• See also references of WO 2014128236A1

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