

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

Publication
EP 2958660 A1 20151230 (DE)

Application
EP 14706538 A 20140221

Priority

- EP 13156095 A 20130221
- EP 2014053383 W 20140221
- EP 14706538 A 20140221

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
B01D 53/94 (2006.01); **B01J 23/58** (2006.01); **B01J 23/63** (2006.01); **F01N 3/08** (2006.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 2014128236A1

Citation (examination)

- US 2011305612 A1 20111215 - MUELLER-STACH TORSTEN [DE], et al
- WO 2013151557 A1 20131010 - BASF CORP [US], et al

Designated contracting state (EPC)
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Designated extension state (EPC)
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