

Title (en)
MULTI-LAYER NITROGEN OXIDE STORAGE CATALYST WITH MANGANESE

Title (de)
MEHRSCHICHTIGER STICKOXIDSPEICHERKATALYSATOR MIT MANGAN

Title (fr)
CATALYSEUR À STOCKAGE DES OXYDES D'AZOTE MULTICOUCHE CONTENANT DU MANGANÈSE

Publication
EP 3411143 A1 20181212 (DE)

Application
EP 17705036 A 20170201

Priority
• DE 102016101761 A 20160202
• EP 2017052081 W 20170201

Abstract (en)
[origin: WO2017134065A1] The Invention relates to a nitrogen oxide storage catalyst composed of at least two catalytically active washcoat layers on a support body, wherein a lower washcoat layer A comprises cerium oxide, an alkaline earth metal compound and/or an alkali compound, platinum and palladium, and manganese oxide, and an upper washcoat layer B disposed on the washcoat layer A comprises cerium oxide, platinum and palladium and does not contain any alkali and alkaline-earth compounds, and to a method for converting NO_x in exhaust gases from motor vehicles which are operated with lean-burn engines.

IPC 8 full level
B01D 23/63 (2006.01); **B01D 53/94** (2006.01); **B01J 23/656** (2006.01); **B01J 35/00** (2006.01); **B01J 37/02** (2006.01); **B01J 37/18** (2006.01)

CPC (source: EP KR US)
B01D 53/9413 (2013.01 - EP KR); **B01D 53/9422** (2013.01 - EP KR US); **B01J 23/58** (2013.01 - KR US); **B01J 23/63** (2013.01 - EP KR US); **B01J 23/6562** (2013.01 - EP KR US); **B01J 35/19** (2024.01 - EP KR US); **B01J 35/396** (2024.01 - US); **B01J 37/0244** (2013.01 - EP US); **B01J 37/038** (2013.01 - KR US); **F01N 3/0814** (2013.01 - US); **F01N 3/0842** (2013.01 - US); **B01D 2255/1021** (2013.01 - EP KR US); **B01D 2255/1023** (2013.01 - EP KR US); **B01D 2255/1025** (2013.01 - EP US); **B01D 2255/202** (2013.01 - EP US); **B01D 2255/204** (2013.01 - EP); **B01D 2255/2042** (2013.01 - EP US); **B01D 2255/2047** (2013.01 - EP US); **B01D 2255/2063** (2013.01 - EP US); **B01D 2255/2065** (2013.01 - EP US); **B01D 2255/2073** (2013.01 - EP KR US); **B01D 2255/2092** (2013.01 - EP US); **B01D 2255/9022** (2013.01 - EP US); **B01D 2255/91** (2013.01 - EP US); **B01D 2258/012** (2013.01 - KR US); **B01J 35/396** (2024.01 - EP); **B01J 37/0201** (2013.01 - EP); **B01J 37/0215** (2013.01 - EP); **B01J 37/18** (2013.01 - EP); **B01J 2523/00** (2013.01 - EP US); **F01N 2370/02** (2013.01 - US); **F01N 2510/0684** (2013.01 - US)

C-Set (source: EP)
1. **B01J 2523/00 + B01J 2523/22 + B01J 2523/25 + B01J 2523/31 + B01J 2523/3712 + B01J 2523/72 + B01J 2523/824 + B01J 2523/828**
2. **B01J 2523/00 + B01J 2523/31 + B01J 2523/3706 + B01J 2523/3712 + B01J 2523/822 + B01J 2523/824 + B01J 2523/828**
3. **B01J 2523/00 + B01J 2523/31 + B01J 2523/3712 + B01J 2523/822 + B01J 2523/824 + B01J 2523/828**
4. **B01J 2523/00 + B01J 2523/31 + B01J 2523/3712 + B01J 2523/72 + B01J 2523/822 + B01J 2523/824 + B01J 2523/828**
5. **B01J 2523/00 + B01J 2523/22 + B01J 2523/25 + B01J 2523/31 + B01J 2523/3706 + B01J 2523/3712 + B01J 2523/72 + B01J 2523/822 + B01J 2523/824 + B01J 2523/828**
6. **B01J 2523/00 + B01J 2523/22 + B01J 2523/25 + B01J 2523/31 + B01J 2523/3712 + B01J 2523/72 + B01J 2523/822 + B01J 2523/824 + B01J 2523/828**

Designated contracting state (EPC)
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Designated extension state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
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