

## Title (en)

NOVEL MIXED OXIDE MATERIALS FOR THE SELECTIVE CATALYTIC REDUCTION OF NITROGEN OXIDES IN EXHAUST GASES

## Title (de)

NEUE MISCHOXID-MATERIALIEN ZUR SELEKTIVEN KATALYTISCHEN REDUKTION VON STICKOXIDEN IN ABGASEN

## Title (fr)

NOUVEAUX MATÉRIAUX D'OXYDE MIXTE POUR LA RÉDUCTION CATALYTIQUE SÉLECTIVE D'OXYDES D'AZOTE DANS DES GAZ D'ÉCHAPPEMENT

## Publication

**EP 2560755 A1 20130227 (DE)**

## Application

**EP 11716376 A 20110416**

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## Abstract (en)

[origin: WO2011131324A1] The invention relates to the use of mixed oxides made of cerium oxide, zirconium oxide, rare earth sesquioxide and niobium oxide as catalytically active materials for the selective catalytic reduction of nitrogen oxides with ammonia or a compound that can decompose to form ammonia in the exhaust gas of internal combustion engines in motor vehicles that are predominantly leanly operated, and to compositions or catalysts which contain said mixed oxides in combination with zeolite compounds and/or zeolite-like compounds and are suitable for the denitrogenation of lean motor vehicle exhaust gases in all essential operating states.

## IPC 8 full level

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