

Title (en)

USE OF AN NOX-REDUCING CATALYST SYSTEM BASED ON A MIXED CERIUM OXIDE

Title (de)

VERWENDUNG EINES NOX-REDUZIERENDEN KATALYSATORSYSTEMS AUF BASIS VON MISCH-CERIUMOXID

Title (fr)

UTILISATION D'UN SYSTEME CATALYTIQUE DE REDUCTION DES NOX A BASE D'OXYDE MIXTE DE CERIUM

Publication

**EP 2582450 A1 20130424 (FR)**

Application

**EP 11736125 A 20110616**

Priority

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- FR 2011051381 W 20110616

Abstract (en)

[origin: WO2011157964A1] The present invention relates to the use of a catalyst system to reduce the NO<sub>x</sub>-type oxidizing pollutants, particularly NO<sub>2</sub>, contained in a gas to be purified, the catalyst system comprising or consisting of an oxide satisfying the molar formula Ce<sub>1-y</sub>zO<sub>2-x</sub>MyN<sub>z</sub> in which: Ce is cerium ; M is an element chosen from: Gd, Y, Se, Sm, La, Pr, Nd, Er and Tb; y is between 0.01 and 0.4; N is an element having several valences, chosen from: Ti, V, Cr, Mn, Fe, Co, Ni and Cu; z is less than 0.4; and x is greater than 0.05.

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Citation (search report)

See references of WO 2011157964A1

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