

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

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Application

EP 11736125 A 20110616

Priority

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Abstract (en)

[origin: WO2011157964A1] The present invention relates to the use of a catalyst system to reduce the NO_x-type oxidizing pollutants, particularly NO₂, contained in a gas to be purified, the catalyst system comprising or consisting of an oxide satisfying the molar formula Ce_{1-y}zO_{2-x}MyN_z 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.

IPC 8 full level

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Citation (search report)

See references of WO 2011157964A1

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