Title (en)

AGEING-RESISTANT MIXED OXIDE MADE FROM CERIUM, ZIRCONIUM, ALUMINIUM AND LANTHANUM FOR MOTOR VEHICLE CATALYTIC CONVERTER

Title (de)

ALTERUNGSBESTÄNDIGES MISCHOXID AUS CEROXID, ZIRKONIUM, ALUMINIUM UND LANTHAN FÜR KATALYSATOR EINES KRAFTFAHRZEUGS

Title (fr)

OXYDE MIXTE RÉSISTANT AU VIEILLISSEMENT À BASE DE CÉRIUM, DE ZIRCONIUM, D'ALUMINIUM ET DE LANTHANE POUR CONVERTISSEUR CATALYTIQUE AUTOMOBILE

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Application

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Abstract (en)

[origin: WO2018115436A1] The present invention concerns a mixed oxide of aluminium, zirconium, cerium, lanthanum and optionally at least one rare earth other than cerium and lanthanum that can be used for preparing a catalyst that maintains good thermal stability and good catalytic activity after severe ageing. The invention also relates to the method for preparing this mixed oxide that involves introducing an acid aqueous solution of precursors of cerium, zirconium, lanthanum and optionally at least one rare earth other than cerium and lanthanum in which an aluminium hydrate is dispersed into a basic aqueous solution and adding a texturing agent to the obtained dispersion before separation and calcination of the solid. The invention also concerns a method for treating the exhaust gases of internal combustion engines using a catalyst prepared from this mixed oxide.

IPC 8 full level

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