Title (en)

MESOSTRUCTURAL MATERIALS INCLUDING NANO-SCALE CRYSTALLINE PARTICLES COMPRISING A METAL IN SOLID SOLUTION WITHIN THE CRYSTALLINE STRUCTURE THEREOF

Title (de)

MESOSTRUKTURIERTE MATERIALIEN MIT EINGELAGERTEN KRISTALLINEN TEILCHEN IM NANOMETERBEREICH ENTHALTEND EIN METALL IN FESTER LÖSUNG IM KERN DES KRISTALLGITTERS

Title (fr)

MATERIAUX MESOSTRUCTURES INTEGRANT DES PARTICULES CRISTALLINES NANOMETRIQUES COMPRENANT UN METAL EN SOLUTION SOLIDE AU SEIN DE LEUR RESEAU CRISTALLIN

Publication

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Application

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Priority

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Abstract (en)

[origin: WO03062138A2] The invention relates to a mesostructural material, preferably thermally stable, comprising a mineral phase within which nano-scale particles of a metallic oxide are dispersed, selected from a cerium, zirconium, titanium or rare earth metal oxide other than that of cerium. Said oxide comprises at least one metallic element M in a cationic form in a solid solution within the crystalline structure of said oxide. The invention further relates to a method for production of such a material, particularly in the form of heterogeneous catalysts or as a support for catalytic species.

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C01B 3/00

IPC 8 full level

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DOCDB simple family (application)

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