Title (en)

CRYSTALLINE MULTINARY METAL OXIDE COMPOSITIONS, PROCESS FOR PREPARING AND PROCESSES FOR USING THE COMPOSITION

Title (de)

KRISTALLINE MULTINÄRE METALLOXIDZUSAMMENSETZUNGEN, VERFAHREN ZUR HERSTELLUNG UND VERFAHREN ZUR VERWENDUNG DER ZUSAMMENSETZUNG

Title (fr)

COMPOSITIONS A PLUSIEURS OXYDES METALLIQUES CRISTALLINS ET PROCEDES DE PREPARATIONS ET D'UTILISATIONS DE CELLES-CI

Publication

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Application

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Priority

US 0035011 W 20001222

Abstract (en)

[origin: WO02051539A1] A new family of crystalline metal oxide compositions have been synthesized. These compositions are described by the empirical formula: AnMM'xMyOp where A is an alkali metal cation, ammonium ion and mixtures thereof, M is niobium or tantalum, M' is tungsten, molybdenum, or mixtures thereof. M" is vanadium, tantalum, niobium, titanium, tin indium, gallium, aluminum, bismuth, antimony, tellurium and mixtures thereof. M" is an optional metal. These compositions are characterized by having an x-ray diffraction pattern having at least one peak at a d spacing of about 3.9 ANGSTROM . A hydrothermal synthesis procedure as well as hybrocarbon conversion processes using the composition are also disclosed.

IPC 1-7

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IPC 8 full level

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Citation (search report)

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