Title (en)

PROCESS FOR THE PREPARATION OF OXIDE MATERIALS, LAYERED DOUBLE HYDROXIDE MATERIALS, HYDROXIDE MATERIALS AND CARBONATE-BASED MATERIALS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON OXIDMATERIALIEN, GESCHICHTETEN DOPPELHYDROXIDMATERIALIEN, HYDROXIDMATERIALIEN UND CARBONATBASIERTEN MATERIALIEN

Title (fr)

PROCÉDÉ DE PRÉPARATION DE MATÉRIAUX DE TYPE OXYDE, DE MATÉRIAUX DE TYPE HYDROXYDE DOUBLE LAMELLAIRE, DE MATÉRIAUX DE TYPE HYDROXYDE ET DE MATÉRIAUX À BASE DE CARBONATE

Publication

EP 3233722 A1 20171025 (EN)

Application

EP 15817202 A 20151216

Priority

- EP 14199465 A 20141219
- EP 2015080000 W 20151216

Abstract (en)

[origin: WO2016096990A1] The present invention relates to the synthesis of oxide materials, layered double hydroxide materials (LDH materials), hydroxide materials and carbonate-based materials with high surface area and controlled size and nano-particle shape as well as the formation of mixed metal hydroxides and hydroxycarbonates with high surface areas which can serve as precursor materials to deliver oxide materials after thermal treatment. The process of the invention relates to the preparation of oxide materials on the base of metal alkoxides which are hydrolyzed under highly controlled conditions in the presence of high-boiling and low-boiling alcohol whereby the low boiling-alcohol has to act as co-solvent.

IPC 8 full level (invention and additional information)

C01B 13/32 (2006.01); **C01F 7/00** (2006.01); **C01F 7/02** (2006.01)

CPC (invention and additional information)

C01B 13/326 (2013.01)

Citation (search report)

See references of WO 2016096990A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family

WO 2016096990 A1 20160623; EP 3233722 A1 20171025