

Title (en)

METHOD FOR PRODUCING SPHERICAL MIXED OXIDE POWDERS IN A HOT WALL REACTOR

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KUGELFÖRMIGEN MISCHOXID-PULVERN IN EINEM HEISSWANDREAKTOR

Title (fr)

PROCEDE POUR PREPARER DES POUDRES DE MELANGES D'OXYDES SE PRESENTANT SOUS FORME DE BILLES, DANS UN REACTEUR A PAROIS CHAUDES

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Application

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Priority

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Abstract (en)

[origin: WO2006087061A2] The invention relates to a novel method for producing spherical mixed oxide powders with at least two constituents in a hot wall reactor. By using aqueous or organic saline solutions or suspensions with a limited salt or solid concentration in conjunction with additives in the form of surfactants and/or inorganic salts characterised by an exothermic decomposition reaction, a compact spherical particle morphology can be obtained, the average particle size being between 5 nm and < 10 µm.

IPC 8 full level

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