Title (en)

STABLE SUSPENSIONS OF CRYSTALLINE TIO2 PARTICLES OF HYDROTHERMALLY TREATED SOL GEL PRECURSOR POWDERS

Title (de)

STABILE SUSPENSIONEN VON KRISTALLINEN TIO2-PARTIKELN AUS HYDROTHERMAL BEHANDELTEN SOL-GEL-VORSTUFENPULVERN

Title (fr)

SUSPENSIONS STABLES DE PARTICULES DE TIO2 CRISTALLINES OBTENUES À PARTIR DE PROGÉNITEURS PULVÉRULENTS SOL-GEL TRAITÉS PAR HYDROTHERMIE

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Application

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Abstract (en)

[origin: WO2008006566A2] The invention relates to a method for producing stable suspensions of finely dispersed colloid-disperse crystalline titanium dioxide particles, comprising the hydrothermal treatment of aqueous molecularly disperse sol gel solutions that have been produced from amorphous water-soluble precursor powders. The suspensions thus obtained can be used, inter alia, to produce thin transparent crystalline layers.

IPC 8 full level

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CPC (source: EP US)

B01J 21/063 (2013.01 - EP US); **B01J 35/60** (2024.01 - EP US); **B82Y 30/00** (2013.01 - EP US); **C01G 23/053** (2013.01 - EP US); **C03C 17/256** (2013.01 - EP US); **C09C 1/3615** (2013.01 - EP US); B01J 35/613 (2024.01 - EP US); B01J 35/647 (2024.01 - EP US); C01P 2004/50 (2013.01 - EP US); C01P 2004/62 (2013.01 - EP US); C01P 2004/64 (2013.01 - EP US); C01P 2006/22 (2013.01 - EP US); C03C 2217/212 (2013.01 - EP US); C03C 2217/71 (2013.01 - EP US); C03C 2218/113 (2013.01 - EP US)

Citation (search report)

See references of WO 2008006566A2

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