

Title (en)
DISPERSIBLE NANOPARTICLES

Title (de)
DISPERGIERBARE NANOPARTIKEL

Title (fr)
NANOPARTICULES DISPERSIBLES

Publication
EP 2089479 A2 20090819 (DE)

Application
EP 07822040 A 20071030

Priority
• EP 2007061686 W 20071030
• DE 102006053160 A 20061110

Abstract (en)
[origin: WO2008055817A2] The invention relates to hydrophilic powdery particles (P) that (a) are obtainable using a non-ionic silane (S) which carries at least one non-hydrolyzable hydrophilic group (H), or the hydrolysis and condensation products thereof, a 5% by weight solution of the silane (S) or of the hydrolysis and condensation products thereof or a mixture consisting of silane (S) and the hydrolysis and condensation products thereof having a pH (in water) of not more than 8, and having a solubility of at least 5 g/l water at 20° C, and (b) that can be dispersed in liquid media after their isolation as a powder, the average diameter of the particles (P) after dispersion of not more than 200 nm corresponding to 0.5 to 20 times the average diameter of the particles before their isolation as a powder and the average diameter of the particles (P) being determined as the average hydrodynamic equivalence diameter in the form of the Z average by photon correlation spectroscopy.

IPC 8 full level
C09C 1/30 (2006.01); **C09D 7/62** (2018.01)

CPC (source: EP US)
A61K 8/0241 (2013.01 - EP); **A61K 8/585** (2013.01 - EP); **A61Q 17/005** (2013.01 - EP); **B82Y 30/00** (2013.01 - EP); **C08G 18/283** (2013.01 - EP); **C08G 18/285** (2013.01 - EP); **C08G 18/718** (2013.01 - EP); **C09C 1/3081** (2013.01 - EP US); **C09C 3/12** (2013.01 - EP); **C09D 7/62** (2017.12 - EP US); **C09D 7/67** (2017.12 - EP); **C09D 7/68** (2017.12 - EP); **D21H 19/40** (2013.01 - EP); **G03G 9/09708** (2013.01 - EP); **G03G 9/09716** (2013.01 - EP); **G03G 9/09725** (2013.01 - EP); **A61K 2800/413** (2013.01 - EP); **A61K 2800/623** (2013.01 - EP); **C01P 2004/50** (2013.01 - EP); **C01P 2004/62** (2013.01 - EP); **C01P 2004/64** (2013.01 - EP); **C08K 3/22** (2013.01 - EP); **C08K 9/06** (2013.01 - EP); **D21H 21/52** (2013.01 - EP)

Citation (search report)
See references of WO 2008055817A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102006053160 A1 20080515; EP 2089479 A2 20090819; WO 2008055817 A2 20080515; WO 2008055817 A3 20080724

DOCDB simple family (application)
DE 102006053160 A 20061110; EP 07822040 A 20071030; EP 2007061686 W 20071030