

Title (en)

METAL OXIDE-CONTAINING DISPERSION WITH HIGH SALT STABILITY

Title (de)

METALLOXID ENTHALTENDE DISPERSION MIT HOHER SALZSTABILITÄT

Title (fr)

DISPERSION CONTENANT DE L'OXYDE MÉTALLIQUE À STABILITÉ AU SEL ÉLEVÉE

Publication

EP 3319905 A1 20180516 (DE)

Application

EP 16733468 A 20160628

Priority

- EP 15176283 A 20150710
- EP 2016064955 W 20160628

Abstract (en)

[origin: WO2017009032A1] The invention relates to an aqueous dispersion containing a hydrophilic metal oxide powder with a metal oxide and a surface modification of the metal oxide, wherein a) the metal oxide is selected from the group consisting of TiO₂, ZrO₂, SiO₂, Al₂O₃, Fe₂O₃, Fe₃O₄, Sb₂O₃, WO₃, CeO₂ and mixed oxides thereof and b) the surface modification comprises b1) silicon atoms and aluminum atoms and b2) the silicon atoms are bound at least partially by means of a C-atom to a hydrocarbon group b3) the molar ratio Al/Si of the surface modification is 1 :2 - 1 :20.

IPC 8 full level

C01B 33/14 (2006.01); **C01B 33/141** (2006.01); **C01B 33/149** (2006.01); **C01B 33/159** (2006.01); **C09C 1/30** (2006.01)

CPC (source: EP US)

A61K 8/044 (2013.01 - US); **A61K 8/26** (2013.01 - US); **A61K 9/10** (2013.01 - US); **C01B 33/14** (2013.01 - EP US); **C01B 33/1417** (2013.01 - EP US); **C01B 33/149** (2013.01 - EP US); **C01B 33/159** (2013.01 - EP US); **C09C 1/24** (2013.01 - EP US); **C09C 1/3045** (2013.01 - US); **C09C 1/3054** (2013.01 - EP US); **C09C 1/3063** (2013.01 - US); **C09C 1/3081** (2013.01 - EP US); **C09C 1/309** (2013.01 - EP US); **C09C 1/3661** (2013.01 - EP US); **C09C 1/3684** (2013.01 - EP US); **C09C 1/3692** (2013.01 - EP US); **C09C 1/405** (2013.01 - EP US); **C09C 1/407** (2013.01 - EP US); **C09C 3/063** (2013.01 - EP US); **C09D 17/001** (2013.01 - US); **C09D 17/007** (2013.01 - US); **C11D 7/20** (2013.01 - US); **C11D 17/0013** (2013.01 - US); **D21H 19/42** (2013.01 - US); **C01P 2004/61** (2013.01 - US); **C01P 2004/62** (2013.01 - US); **Y10S 977/773** (2013.01 - US)

Citation (search report)

See references of WO 2017009032A1

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 (publication)

WO 2017009032 A1 20170119; CN 107922197 A 20180417; CN 107922197 B 20211119; EP 3319905 A1 20180516; US 10920084 B2 20210216; US 2018194947 A1 20180712

DOCDB simple family (application)

EP 2016064955 W 20160628; CN 201680047009 A 20160628; EP 16733468 A 20160628; US 201615743242 A 20160628