

Title (en)

DISPERSION POWDER COMPOSITION CONTAINING VINYL ALCOHOL COPOLYMERISATE

Title (de)

DISPERSIONSPULVER-ZUSAMMENSETZUNG ENTHALTEND VINYLALKOHOL-COPOLYMERISAT

Title (fr)

COMPOSITION DE POUDRE DISPERSIBLE CONTENANT UN COPOLYMÈRE D'ALCOOL VINYLIQUE

Publication

**EP 3625187 A1 20200325 (DE)**

Application

**EP 17748688 A 20170724**

Priority

EP 2017068594 W 20170724

Abstract (en)

[origin: WO2019020157A1] The invention relates to polymer powder compositions which can be redispersed in water and which contain a vinyl alcohol copolymerisate. The compositions are obtained in that one or more ethylenically unsaturated monomers are radically polymerized in the presence of protective colloids and/or emulsifiers in an aqueous medium, and the aqueous polymer dispersion obtained in this manner is dried by adding a protective colloid as a drying aid. The invention is characterized in that during the polymerization and/or drying process, one or more vinyl alcohol copolymerisates are used as protective colloids containing a) 80 to 99 mol.% of vinyl alcohol monomer units, b) 0.5 to 10 mol.% of monomer units which are derived from vinyl esters of unbranched or branched alkyl carboxylic acids with 3 to 18 C atoms, c) 0.5 to 10 mol.% of monomer units which are derived from ethylenically unsaturated monomers with one or more functional groups selected from the group comprising a carboxylic acid group, a sulfonic acid group, a quaternized amine group, a phosphoric acid group, and the salts thereof, and d) 0 to 5 mol.% of vinyl acetate monomer units, wherein the specifications in mol.% add up to 100 mol.% in each case.

IPC 8 full level

**C04B 24/26** (2006.01); **C08L 29/04** (2006.01)

CPC (source: EP US)

**C04B 26/04** (2013.01 - EP); **C04B 40/0042** (2013.01 - EP); **C08F 2/24** (2013.01 - US); **C08F 6/14** (2013.01 - US); **C08F 216/06** (2013.01 - US); **C08F 218/08** (2013.01 - US); **C08F 220/585** (2020.02 - US); **C04B 2103/0057** (2013.01 - EP); **C04B 2111/00517** (2013.01 - EP); **C04B 2111/00637** (2013.01 - EP); **C04B 2111/00672** (2013.01 - EP); **C04B 2111/60** (2013.01 - EP); **C04B 2111/62** (2013.01 - EP); **C04B 2111/70** (2013.01 - EP); **C04B 2111/72** (2013.01 - EP)

Citation (search report)

See references of WO 2019020157A1

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 2019020157 A1 20190131**; EP 3625187 A1 20200325; US 11339228 B2 20220524; US 2021122839 A1 20210429

DOCDB simple family (application)

**EP 2017068594 W 20170724**; EP 17748688 A 20170724; US 201716633761 A 20170724