

Title (en)

POWDER REDISPERSIBLE IN WATER, PROCESS FOR PRODUCTION THEREOF AND USE THEREOF

Title (de)

IN WASSER REDISPERGIERBARES PULVER, VERFAHREN ZU DESSEN HERSTELLUNG UND DESSEN VERWENDUNG

Title (fr)

POUDRE REDISPERSIBLE DANS L'EAU, PROCEDE POUR LA PREPARER ET SON UTILISATION

Publication

**EP 1928802 B8 20171011 (DE)**

Application

**EP 06792203 A 20060921**

Priority

- EP 2006009191 W 20060921
- EP 05021009 A 20050927
- EP 06792203 A 20060921

Abstract (en)

[origin: EP1767506A1] Water-redispersible powder for reducing efflorescence in hydraulic binder systems comprises an organic compound (I) with a (partially) saturated cyclic group having a melting point of -20 to 250[deg]C and a molecular weight of 100-10000, and a water-soluble organic polymeric protective colloid (II) that forms a stable dispersion in water. The (I):(II) weight ratio is 95:5 to 5:95. Independent claims are also included for: (1) process (P1) for producing a powder as above by dispersing (I) and (II) in water and drying the dispersion; (2) process (P2) as above in which the drying step is omitted; (3) use of an aqueous dispersion produced by P2 for reducing efflorescence in hydraulic binder systems, where the dispersion comprises 5-95 parts by weight of rosin or abietic, sylvic, neoabietic, levopimaric, pimaric, isopimaric or palustric acid and 5-95 parts by weight of polyvinyl alcohol or polyvinylpyrrolidone and 0-50 parts by weight of a silane or siloxane component and has a solids content of 10-70 wt. %, an average particle size of 0.05-50  $\mu$ m and a Brookfield viscosity of 100-50000 mPas at 23[deg]C and 20 rpm.

IPC 8 full level

**C04B 24/34** (2006.01); **C04B 40/00** (2006.01)

CPC (source: EP US)

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