

Title (en)
WATER-REDISPERSIBLE POWDERED FILM-FORMING POLYMER COMPOSITION

Title (de)
IN WASSER REDISPERGIERBARE PULVERZUSAMMENSETZUNG AUS FILMBILDENDEN POLYMEREN

Title (fr)
COMPOSITION PULVERULENTE REDISPERSABLE DANS L'EAU DE POLYMERES FILMOGENES

Publication
EP 0857190 A1 19980812 (FR)

Application
EP 96934942 A 19961021

Priority
• FR 9601639 W 19961021
• FR 9512588 A 19951025

Abstract (en)
[origin: WO9715617A1] A water-redispersible powdered composition produced by mixing then drying an emulsion of at least one water-insoluble film-forming polymer, at least one main surfactant and at least one water-soluble compound, is disclosed. The composition includes an emulsion of at least one water-insoluble film-forming polymer prepared from ethylenically unsaturated monomers; at least one main surfactant with a binary water-surfactant phase diagram comprising an isotropic phase that is fluid at 25 DEG C up to a surfactant concentration of at least 50 wt %, followed by a hexagonal or cubic rigid liquid crystal phase at higher concentrations, said liquid crystal phase being stable at least up to the drying temperature; and at least one water-soluble compound. A method for preparing said composition, and the use thereof, are also disclosed.

IPC 1-7
C08K 5/098; **C09D 125/14**; **C08K 5/17**; **C04B 24/32**; **C09D 133/06**

IPC 8 full level
C04B 24/26 (2006.01); **C04B 24/38** (2006.01); **C04B 40/00** (2006.01); **C08J 3/05** (2006.01); **C08J 3/12** (2006.01); **C08K 5/09** (2006.01); **C08K 5/17** (2006.01); **C08L 9/06** (2006.01); **C08L 25/10** (2006.01); **C08L 25/14** (2006.01); **C08L 31/04** (2006.01); **C08L 33/04** (2006.01); **C08L 101/00** (2006.01); **C09D 109/06** (2006.01); **C09D 125/10** (2006.01); **C09D 125/14** (2006.01); **C09D 133/04** (2006.01); **C09J 109/06** (2006.01); **C09J 125/10** (2006.01); **C09J 125/14** (2006.01); **C09J 133/04** (2006.01); **D21H 19/36** (2006.01); **D21H 19/38** (2006.01)

CPC (source: EP KR US)
C04B 24/2641 (2013.01 - EP US); **C04B 40/0039** (2013.01 - EP US); **C08J 3/05** (2013.01 - EP US); **C08K 5/098** (2013.01 - KR); **C04B 2103/0057** (2013.01 - EP US)

C-Set (source: EP US)
1. **C04B 40/0039 + C04B 12/04 + C04B 24/2641 + C04B 2103/40**
2. **C04B 40/0039 + C04B 22/16 + C04B 24/2641 + C04B 2103/40**
3. **C04B 40/0039 + C04B 24/126 + C04B 24/2641 + C04B 2103/40**
4. **C04B 40/0039 + C04B 24/10 + C04B 24/2641 + C04B 2103/40**

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)
WO 9715617 A1 19970501; AR 004063 A1 19980930; AU 718444 B2 20000413; AU 7306896 A 19970515; BR 9611249 A 19990504; CA 2232370 A1 19970501; CN 1074432 C 20011107; CN 1200747 A 19981202; CZ 123598 A3 19980916; EA 199800334 A1 19981029; EP 0857190 A1 19980812; FR 2740461 A1 19970430; FR 2740461 B1 19971219; HU P9900332 A2 19990528; HU P9900332 A3 20000828; JP 2989273 B2 19991213; JP H11500178 A 19990106; KR 19990067054 A 19990816; MX 9803135 A 19981129; NO 981833 D0 19980423; NO 981833 L 19980624; NZ 320342 A 19991129; PL 326361 A1 19980914; SK 52298 A3 19980909; TW 448187 B 20010801; US 6369153 B1 20020409

DOCDB simple family (application)
FR 9601639 W 19961021; AR P960104843 A 19961022; AU 7306896 A 19961021; BR 9611249 A 19961021; CA 2232370 A 19961021; CN 96197863 A 19961021; CZ 123598 A 19961021; EA 199800334 A 19961021; EP 96934942 A 19961021; FR 9512588 A 19951025; HU P9900332 A 19961021; JP 51635097 A 19961021; KR 19980702992 A 19980424; MX 9803135 A 19980422; NO 981833 A 19980423; NZ 32034296 A 19961021; PL 32636196 A 19961021; SK 52298 A 19961021; TW 85112825 A 19961019; US 63133300 A 20000803