

Title (en)

METHOD FOR PRODUCING AQUEOUS DISPERSIONS OF (CO)POLYMERS, DISPERSIONS OBTAINED USING SAID METHOD, REDISPERSIBLE POWDERS WHICH CAN BE OBTAINED FROM SAID DISPERSIONS AND USE THEREOF

Title (de)

VERFAHREN ZUR HERSTELLUNG WÄSSRIGER DISPERSIONEN VON (CO-)POLYMERISATEN, DIE DANACH ERHÄLTlichen DISPERSIONEN, AUS DEN DISPERSIONEN ERHÄLTliche REDISPERGIERBARE PULVER SOWIE DEREN VERWENDUNG

Title (fr)

PROCEDE DE PRODUCTION DE DISPERSIONS AQUEUSES DE (CO-)POLYMERES, DISPERSIONS PRODUITES SELON CE PROCEDE, POUDRES REDISPERSIBLES OBTENUES A PARTIR DE CES DISPERSIONS ET LEUR UTILISATION

Publication

EP 1098916 A1 20010516 (DE)

Application

EP 99941448 A 19990721

Priority

- DE 19833066 A 19980722
- EP 9905206 W 19990721

Abstract (en)

[origin: DE19833066A1] The invention relates to a method for producing aqueous dispersions of (co)polymers using a polymer with cationic functionality, optionally with the addition of the usual additives. The polymer with cationic functionality is obtained by (co)polymerising olefinically unsaturated (co)monomers in an aqueous medium, at least one of said (co)monomers having a cationic functionality. Other (co)monomers are added and the polymerisation is carried out in the presence of suitable initiators. The polymers and/or (co)monomers are chosen and the method is controlled in such a way that a (co)polymer particle is formed with heterogeneous morphology and the resulting dispersed (co)polymer has a glass transition temperature T_g of more than approximately 50 DEG C. The invention also relates to a method for forming the polymer with cationic functionality in the presence of a seed in situ, and to redispersible powders and their use.

IPC 1-7

C08F 265/04; **C08F 285/00**; **C08L 51/00**; **C08L 57/00**; **C04B 24/26**; **A01N 25/10**; **A61K 9/20**; **G01N 30/48**

IPC 8 full level

B01J 20/285 (2006.01); **B01D 15/08** (2006.01); **C04B 24/24** (2006.01); **C04B 24/26** (2006.01); **C04B 28/02** (2006.01); **C08F 2/08** (2006.01); **C08F 2/18** (2006.01); **C08F 2/28** (2006.01); **C08F 2/44** (2006.01); **C08F 291/00** (2006.01); **C08J 3/12** (2006.01); **C08L 51/00** (2006.01); **C08L 101/00** (2006.01); **C09D 1/08** (2006.01); **C09D 151/00** (2006.01); **C09D 157/00** (2006.01); **C09J 151/00** (2006.01); **C09J 157/00** (2006.01); **G01N 30/88** (2006.01)

CPC (source: EP US)

B01D 15/08 (2013.01 - EP US); **C04B 24/26** (2013.01 - EP US); **C08F 2/28** (2013.01 - EP US); **C08F 291/00** (2013.01 - EP US); **C09D 1/08** (2013.01 - EP US); **C09D 151/00** (2013.01 - EP US)

Citation (search report)

See references of WO 0005283A1

Cited by

WO2007031211A1; WO2011141400A1; WO2012175460A1; EP1897926A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19833066 A1 20000203; AU 5506099 A 20000214; AU 762219 B2 20030619; BR 9912676 A 20010502; CA 2338095 A1 20000203; EP 1098916 A1 20010516; JP 2002521511 A 20020716; PL 346244 A1 20020128; US 6559236 B1 20030506; WO 0005283 A1 20000203

DOCDB simple family (application)

DE 19833066 A 19980722; AU 5506099 A 19990721; BR 9912676 A 19990721; CA 2338095 A 19990721; EP 9905206 W 19990721; EP 99941448 A 19990721; JP 2000561238 A 19990721; PL 34624499 A 19990721; US 74408901 A 20010511