

Title (en)

LOW ENVIRONMENTAL TOXICITY LATEX COATINGS

Title (de)

UMWELTFREUNDLICHE LATEXBESCHICHTUNGEN

Title (fr)

REVETEMENTS DE LATEX FAIBLEMENT TOXIQUES POUR L'ENVIRONNEMENT

Publication

EP 1549142 A4 20090819 (EN)

Application

EP 97954808 A 19971219

Priority

US 9724224 W 19971219

Abstract (en)

[origin: WO9932563A2] Combinations of nonvolatile reactive amines, and hydroxyl bearing, unsaturated esters and/or ethers and/or ether-esters (and/or combinations of non-hydroxyl bearing, unsaturated esters and/or ethers and/or ether-esters, and saturated hydroxyl bearing etherified and/or esterified oligomeric glycols and/or oligools), as replacements for conventionally employed volatile amines and/or ammonia as neutralizers, and organic solvents as coalescents respectively, has been found to enable the production of economical, low to no VOC acrylic and vinyl copolymer latex based coatings, paints, and inks. Further enhancement may be had by substitution of hypersurfactants, in place of conventional soaps and/or dispersants and/or detergents, in combination with the aforementioned nonvolatile reactive amines, particularly as particulate dispersants in pigmented and/or reinforced coatings.

IPC 8 full level

C09D 5/00 (2006.01); **C09D 5/02** (2006.01)

CPC (source: EP)

C09D 5/024 (2013.01)

Citation (search report)

- [X] US 3954648 A 19760504 - BELCAK EDWARD JOHN, et al
- [X] EP 0599478 A1 19940601 - ROHM & HAAS [US]
- [X] US 4343884 A 19820810 - MULLER PETER, et al
- See references of WO 9932563A2

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 9932563 A2 19990701; **WO 9932563 A3 20050506**; AU 6014398 A 19990712; CA 2314975 A1 19990701; EP 1549142 A2 20050706; EP 1549142 A4 20090819

DOCDB simple family (application)

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