

Title (en)

POLYMER DISPERSION FOR COATING WOOD FOR BLOCKING MIGRATABLE COMPOUNDS

Title (de)

POLYMERDISPERSION ZUR BESCHICHTUNG VON HOLZ ZUR BLOCKIERUNG VON MIGRATIONSFÄHIGEN VERBINDUNGEN

Title (fr)

DISPERSION DE POLYMERES POUR REVETEMENT DE BOIS POUR BLOCAGE DE COMPOSES MIGRABLES

Publication

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Application

EP 20719476 A 20200423

Priority

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Abstract (en)

[origin: WO2020216850A1] The invention relates to an aqueous polymer dispersion, with said polymer comprising in its structure incorporated monomer units, from a monomer composition comprising: a) at least one (meth)acrylic monomer which is a C1-C18 (meth)acrylic ester, with no ionic group; b) at least one ethylenically unsaturated monomer having at least one carboxylic acid group; c) at least one ethylenically unsaturated monomer having a tertiary amine, and with said polymer additionally having blocked silane grafted groups in the form of -Si(OR1)3 or -Si-R2(OR1)2 or -Si-(R2)2(OR1), preferably -Si(OR1)3 or -Si-R2(OR1)2 with R1, R2 being the same or different C1 to C4 alkyl, and with said blocked silane graft groups being incorporated by at least one of the following two paths or the combination thereof; d) presence with the monomers a), b) and c) of at least one ethylenically unsaturated comonomer d) having, in addition to said ethylenic unsaturation, at least one blocked silane group as defined above and/or e) presence with the monomers a), b) and c) of, or after-treatment of the aqueous dispersion by, at least one silane compound e) having at least one blocked silane group as defined above and at least one functional group selected from: epoxy, amino, thio, hydroxy, isocyanate, preferably epoxy, the latter group being capable of reacting, at least in part, with the carboxylic groups of said monomer b). The invention also relates to a coating composition comprising said dispersion of the invention and the use thereof for aqueous protective coating compositions for wood.

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP US)

EP

1. **C09D 151/003 + C08K 5/5435**
2. **C08F 220/14 + C08F 220/1808 + C08F 220/1804 + C08F 220/34 + C08F 220/06**
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4. **C08F 8/42 + C08F 265/06**
5. **C08F 8/42 + C08F 220/14**

US

1. **C08F 220/14 + C08F 220/1808 + C08F 220/1804 + C08F 220/34 + C08F 220/06**
2. **C08F 8/42 + C08F 220/14**

Cited by

EP4242243A1; WO2023169920A1

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Designated extension state (EPC)

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