

Title (en)
AQUEOUS POLYMER DISPERSION HAVING REDUCED CONTENT OF EMULSIFIER AND PREPARATION OF COMPOSITE FOILS

Title (de)
EMULGATORARME WÄSSRIGE POLYMERDISPERSIONEN FÜR DIE HERSTELLUNG VON VERBUNDFOLIEN

Title (fr)
DISPERSION AQUEUSE DE POLYMÈRE CONTENANT UNE TENEUR RÉDUITE EN ÉMULSIFIANT ET PREPARATION DE COMPOSITES DE FEUILLE

Publication
EP 3390473 A1 20181024 (DE)

Application
EP 16809753 A 20161207

Priority
• EP 15200689 A 20151217
• EP 2016080061 W 20161207

Abstract (en)
[origin: WO2017102497A1] Aqueous polymer dispersions and a process for preparing them are described. The polymer dispersions comprise polymer particles having an average diameter of more than 200 nm, a monomodal size distribution and a uniform glass transition temperature and are prepared by radical emulsion polymerization of a monomer mixture comprising ethylenically unsaturated, radically polymerizable monomers, using a polymer seed, less than 0.8 part by weight of emulsifier and no protective colloids. The monomer mixture consists of a) at least 60 wt% of at least one monomer selected from the group consisting of C1 to C20 alkyl acrylates, C1 to C20 alkyl methacrylates, vinyl esters of carboxylic acids containing up to 20 carbon atoms, vinylaromatics having up to 20 carbon atoms, ethylenically unsaturated nitriles, vinyl halides, vinyl ethers of alcohols containing 1 to 10 carbon atoms, aliphatic hydrocarbons having 2 to 8 carbon atoms and one or two double bonds, and mixtures of these monomers, b) at least 0.1 wt% of at least monomer having at least one acid group; c) optionally further monomers, wherein the acid groups of the monomers b) are wholly or partly neutralized during the emulsion polymerization. The aqueous polymer dispersions can be used as an adhesive, particularly for the production of composite films.

IPC 8 full level
C08F 265/06 (2006.01); **C09J 7/00** (2018.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 2017102497A1

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