

Title (en)

POLYVINYL-ALCOHOL-STABILIZED (METH)ACRYLIC ACID ESTER POLYMERS

Title (de)

POLYVINYALKOHOL-STABILISIERTE (METH)ACRYLSÄUREESTERPOLYMERE

Title (fr)

POLYMÈRES D'ESTERS DE L'ACIDE (MÉTH)ACRYLIQUE STABILISÉS PAR DU POLY(ALCOOL VINYLIQUE)

Publication

EP 4146714 A1 20230315 (DE)

Application

EP 20725120 A 20200505

Priority

EP 2020062412 W 20200505

Abstract (en)

[origin: WO2021223849A1] The invention relates to polyvinyl-alcohol-stabilized (meth)acrylic acid ester polymers having particles sizes D_w of 100 to 900 nm, in the form of aqueous dispersions or in the form of powders that can be redispersed in water, characterized in that the (meth)acrylic acid ester polymers are based on a) 1 to 30 wt.% of one or more vinyl esters of carboxylic acids having 5 to 15 C atoms, b) 20 to 80 wt.% of one or more (meth)acrylic acid esters, the homopolymer of which has a glass transition temperature T_g of $\leq 20^\circ\text{C}$, c) 10 to 70 wt.% of one or more (meth)acrylic acid esters, the homopolymer of which has a glass transition temperature T_g of $\geq 50^\circ\text{C}$, and optionally one or more additional ethylenically unsaturated monomers, the specifications in wt.% relating to the total weight of the (meth)acrylic acid ester polymers.

IPC 8 full level

C08F 220/10 (2006.01); **C08K 5/05** (2006.01); **C08L 33/04** (2006.01)

CPC (source: EP US)

C04B 24/2623 (2013.01 - US); **C04B 24/2641** (2013.01 - US); **C04B 28/04** (2013.01 - US); **C08F 263/04** (2013.01 - EP); **C08L 33/10** (2013.01 - US); **C09D 151/003** (2013.01 - EP); **C04B 2111/00482** (2013.01 - US); **C04B 2111/00637** (2013.01 - US); **C04B 2111/00663** (2013.01 - US); **C08L 2201/50** (2013.01 - US)

C-Set (source: EP)

C08F 263/04 + C08F 220/1804 + C08F 220/14 + C08F 218/04

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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