

Title (en)

Use of water soluble copolymers based on acrylamidoalkylenesulfonic acids as detergent additives

Title (de)

Verwendung von wasserlöslichen Copolymeren auf Basis von Acrylamidoalkylensulfonsäure als Waschmittelzusatz

Title (fr)

Utilisation de copolymères d'acides acrylamidoalkylènesulphoniques en tant qu'additifs pour détergents

Publication

EP 0584709 B1 19981021 (DE)

Application

EP 93113207 A 19930818

Priority

DE 4227912 A 19920822

Abstract (en)

[origin: EP0584709A2] The present invention relates to the use of water-soluble copolymers based on acrylamidoalkylenesulphonic acid, vinylacetamide and, where appropriate, other monomers, containing 5 - 90% by weight of structural units of the formula <IMAGE> in which R<1> is hydrogen or methyl, R<2> is C2-C10-alkylene, preferably C2-C6-alkylene, particularly preferably C4-alkylene and Me is ammonium or an alkali metal ion, 5 - 95% by weight of structural units of the formula <IMAGE> in which R<3> and R<4> are, independently of one another, hydrogen, methyl or ethyl, or R<3> and R<4> together are a propylene group which forms, with inclusion of a radical <IMAGE> a pyrrolidone radical, 0 - 90% by weight of structural units of the formula <IMAGE> in which X is a halogen, preferably chloride, R<5> and R<6> are, independently of one another, C1-C6-alkyl, preferably C1-C3-alkyl, especially methyl or ethyl, and 0 - 90% by weight of structural units of the formula -CHR<7>-CHR<8>- in which R<7> is hydrogen or methyl and R<8> is CONH2, CON(CH3)2, cyano, SO3H, SO3Me, C6H4SO 3H, C6H4SO3Me, CH2SO3H, CH2SO3Me, COOH, COOMe or an ester group COOR where R is C1-C15-alkyl, preferably C1-C8-alkyl, as detergent additive to prevent reuptake of dyes and dye degradation products which have dissolved off.

IPC 1-7

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IPC 8 full level

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Cited by

EP0753570A3; EP1477553A1; EP0753566A3; FR2790759A1; US7947087B2; WO2020126493A1; US7179778B2; WO2007020949A1; WO2007019981A1; US8263541B2; US8785362B2; WO0053641A1; WO9816613A1; WO9816612A1

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