

Title (en)
USE OF COPOLYMERS CONTAINING ALKYLENE OXIDE UNITS, AS AN ADDITIVE IN DISHWASHING COMPOSITIONS

Title (de)
VERWENDUNG VON ALKYLENOXIDEINHEITEN ENTHALTENDEN COPOLYMEREN ALS ZUSATZ IN GESCHIRRSPÜLMITTELN

Title (fr)
UTILISATION DE COPOLYMERES CONTENANT DES UNITES D'OXYDE D'ALKYLENE COMME ADJUVANTS DANS DES COMPOSITIONS POUR LAVE-VAISSELLE

Publication
EP 1513916 B1 20061011 (DE)

Application
EP 03740181 A 20030604

Priority
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Abstract (en)
[origin: US2005245427A1] Use of copolymers containing alkylene oxide units which comprise (a) 50 to 93 mol % of acrylic acid and/or a water-soluble salt of acrylic acid, (b) 5 to 30 mol % of methacrylic acid and/or a water-soluble salt of methacrylic acid and (c) 2 to 20 mol % of at least one nonionic monomer of formula I in which the variables have the following meanings: R¹ is hydrogen or methyl; R² is a chemical bond or unbranched or branched C₁-C₆-alkylene; R³ are identical or different unbranched or branched C₂-C₄-alkylene radicals; R⁴ is unbranched or branched C₁-C₆-alkyl; n is 3 to 50, in random or block copolymerized form, as additive for detergents and cleaners.

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