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DETERGENTt COMPOSITION

Title (de)
REINIGUNGSMITTEL

Title (fr)
COMPOSITION DETERGENTE

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Abstract (en)
[origin: WO2008095560A1] The invention relates to phosphate-free dishwasher detergents which contain a builder, bleaching agents, a nonionic surfactant, and also a) a copolymer comprising i) sulfonic acid group-containing monomers, ii) further ionic and/or nonionic monomers, b) methyl glycine diacetic acid. The detergents according to the invention have good cleaning and rinsing results which are comparable to those of phosphate-containing dishwasher detergents or even outdo them.

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Citation (opposition)
Opponent :
• WO 2008017620 A1 20080214 - BASF AG [DE], et al
• WO 2008028896 A2 20080313 - HENKEL KGAA [DE], et al
• EP 0851022 A2 19980701 - UNILEVER NV [NL], et al
• WO 0220708 A1 20020314 - UNILEVER PLC [GB], et al
• WO 9500624 A1 19950105 - HENKEL KGAA [DE], et al
• WO 2006029806 A1 20060323 - BASF AG [DE], et al
• US 2004116319 A1 20040617 - NITSCH CHRISTIAN [DE], et al
• US 5547612 A 19960820 - AUSTIN ANNE-MARIE B [US], et al
• CA 2258218 A1 19971231 - BENCKISER NV [NL]
• US 2004072716 A1 20040415 - KISTENMACHER AXEL [DE], et al
• US 5998346 A 19991207 - WELCH MICHAEL C [US], et al
• WO 9749792 A1 19971231 - BENCKISER GMBH JOH A [DE], et al

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