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(21) International Application Number: PCT/US97/08808 (22) International Filing Date: 28 May 1997 (28.05.97) (30) Priority Data: 60/018,423 60/018,424 60/028,444 08/861,433 28 May 1996 (28.05.96) 28 May 1996 (28.05.96) 10 October 1996 (10.10.96) 21 May 1997 (21.05.97) US US US US (71) Applicant: EASTMAN CHEMICAL COMPANY [US/US]; 100 North Eastman Road, Kingsport, TN 37660 (US). (72) Inventors: COLLINS, Martha, Jean; 228 Southridge Drive, Blountville, TN 37617 (US); TAYLOR, James, Wayne; 1016 Forrest Ridge Drive, Kingsport, TN 37660 (US). (74) Agent: ALLEN, Rose, M.; P.O. Box 511, Kingsport, TN 37662-5075 (US).		(81) Designated States: AU, BR, BY, CA, CN, CZ, HU, JP, KR, MX, NO, NZ, PL, RU, SG, SK, TR, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: SURFACTANT-CONTAINING ACETOACETOXY-FUNCTIONAL AND ENAMINE-FUNCTIONAL POLYMERS (57) Abstract Surfactant-containing acetoacetoxy-functional polymers (SAAPs) are described. The acetoacetoxy-functional polymer may be a surfactant-containing enamine-functional polymer and more preferably a surfactant-containing, polymeric (polyamino)enamine (PPAE). The PPAE is the reaction product of a surfactant-containing acetoacetoxy-functional polymer (SAAP) and a poly(alkylenimine). The polymers may be prepared as waterborne polymer compositions, such as latexes. The waterborne polymer compositions can be prepared with high solids content while maintaining low viscosity. Waterborne polymer compositions containing the polymers of the inventions are useful in a variety of coating formulations such as, for example, paints, inks, sealants, and adhesives. When used in coating formulations, the polymers of the invention provide adhesion and crosslinking in the final film or coating. The film or coating may be cured at ambient temperatures or may be thermally cured.		

