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(21) International Application Number: PCT/US97/08692 (22) International Filing Date: 21 May 1997 (21.05.97) (30) Priority Data: 08/677,180 9 July 1996 (09.07.96) US (71) Applicant: BETZDEARBORN INC. [US/US]; 4636 Somerton Road, P.O. Box 3002, Trevose, PA 19053-6783 (US). (72) Inventors: CONNORS, Edward, J.; 118 Archbishop Drive, Conshohocken, PA 19428 (US). COTTER, Michelle, L.; 464 Timothy Drive, Feasterville, PA 19053 (US). CHEN, Fu; 119 Meadow View Drive, Newtown, PA 18940 (US). (74) Agents: SMITH, Matthew, W. et al.; BetzDearborn Inc., 4636 Somerton Road, P.O. Box 3002, Trevose, PA 19053-6783 (US).		(81) Designated States: AU, CA, JP, KR, NO, NZ, SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report.
(54) Title: PROCESS FOR THE PREPARATION OF AQUEOUS DISPERSION POLYMERS (57) Abstract A process for preparing a water-soluble polymer dispersion is herein provided which is characterized by polymerizing from about 10 to 50 mole percent of a monomer having a formula (II); from about 1 to 50 mole percent of N-alkylacrylamide, N,N-dialkylacrylamide or mixtures thereof having a formula (III); from about 1 to 70 mole percent acrylamide; and optionally up to about 4 mole percent of a monomer having a formula (I) having a benzyl functionality. The polymerization is carried out in the presence of an aqueous solution of a polyvalent anionic salt which contains (1) a water soluble cationic polymer which is insoluble in the aqueous salt solution and (2) a water soluble cationic polymer which is soluble in the aqueous salt solution.		