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(21) International Application Number: PCT/US00/07362 (22) International Filing Date: 17 March 2000 (17.03.00) (30) Priority Data: 09/272,800 19 March 1999 (19.03.99) US 09/272,551 19 March 1999 (19.03.99) US 09/273,119 19 March 1999 (19.03.99) US 09/272,550 19 March 1999 (19.03.99) US (71) Applicants: TECHNIC, INCORPORATED [US/US]; 1 Spectacle Street, Cranston, RI 02910 (US). SPECIALTY CHEMICAL SYSTEMS, INC. [US/US]; 40 First Avenue, Royersford, PA 19468 (US). (72) Inventors: GILLMAN, Hyman, D.; 400 First Avenue, Royersford, PA 19468 (US). FERNANDES, Brenda; 1 Spectacle Street, Cranston, RI 02910 (US). WIKIEL, Kazimierz; 1 Spectacle Street, Cranston, RI 02910 (US). (74) Agents: LINEK, Ernest, V. et al.; Banner & Witcoff, Ltd., 28th floor, 28 State Street, Boston, MA 02109 (US).		(81) Designated States: AU, CA, JP, KR, MX, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: ELECTROPLATING BATHS (57) Abstract The use of alkali metal, alkaline earth metal, ammonium and substituted ammonium salts of alkyl and alkanol sulfonic acids as additives in various types of electroplating baths (e.g., sulfate, sulfonic acid, fluoroborate, and halide baths) has a number of unexpected benefits including wider useful current density range, improved appearance and in the case of tin improved oxidative stability.		