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(21) International Application Number: PCT/US99/27931 (22) International Filing Date: 13 December 1999 (13.12.99) (30) Priority Data: 09/211,514 14 December 1998 (14.12.98) US (71) Applicant: BETZDEARBORN INC. [US/US]; 4636 Somerton Road, P.O. Box 3002, Trevose, PA 19053-6783 (US). (72) Inventor: HART, Paul, R.; 2710 Echo Street, The Woodlands, TX 77380 (US). (74) Agent: TURK, Arnold; Greenblum & Bernstein, P.L.C., 1941 Roland Clarke Pl., Reston, VA 20191 (US).		(81) Designated States: JP, KP, KR, 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. 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: STYRENE CAUSTIC WASH EXTRACTION AID (57) Abstract Methods and compositions for improving the extraction of phenols from crude styrene using an aqueous caustic solution are disclosed. It has been discovered that aromatic or alkylammonium tailed multi-polyether headed surfactants and/or quaternary polyamines will improve this extraction, particularly in propylene oxide styrene monomer systems.		