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(21) International Application Number: PCT/EP99/04925 (22) International Filing Date: 12 July 1999 (12.07.99) (30) Priority Data: 09/116,922 17 July 1998 (17.07.98) US (71) Applicant: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. [NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR The Hague (NL). (72) Inventors: ELMORE, Jimmy, D.; 719 Electra Drive, Houston, TX 77079 (US). GALGOCI, Ernest, Charles, Jr.; 6806 Hearthside Drive, Sugar Land, TX 77479 (US). HENNING, Richard, William, Jr.; 123 Moravian Drive, Sealy, TX 77474 (US). MAKSYMOWSKI, Vincent, James; 4806 Clover Lane, Pearland, TX 77584 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>
(54) Title: AQUEOUS DISPERSIONS OF EPOXY RESINS AND A PROCESS TO PREPARE THEM (57) Abstract A process to provide an aqueous dispersion comprising the steps of: a) emulsifying a mixture comprising: i) water, ii) at least one epoxy resin having a functionality of greater than 0.8 epoxide group per molecule, iii) from 0.1 to 20 weight percent, based on the epoxy resin, of at least one polyoxyalkylene surfactant, and iv) optionally an acetone-free solvent solution to produce a resin-surfactant emulsion; and b) adding a solvent mixture to said resin-surfactant emulsion, said solvent mixture comprising: i) acetone; and ii) a non-volatile hydrophobic liquid resin or resin modifier to produce the aqueous dispersion; improved aqueous dispersions and curable compositions and cured products derived therefrom.		