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(21) International Application Number: PCT/EP97/02414 (22) International Filing Date: 12 May 1997 (12.05.97) (30) Priority Data: 08/645,393 13 May 1996 (13.05.96) US (71) Applicant (for all designated States except MN): ARCO CHEMICAL TECHNOLOGY, L.P. [US/US]; Suite 238, Two Greenville Crossing, 4001 Kennett Pike, Greenville, DE 19807 (US). (71) Applicant (for MN only): ARCO CHEMIE TECHNOLOGIE NEDERLAND B.V. [NL/NL]; Theemsweg 14, NL-3197 KM Botlek (NL). (72) Inventor: GUO, Shao-Hua; 1109 Greenhill Road, West Goshen, PA 19380 (US). (74) Agent: CROPP, John, Anthony, David; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, 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, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: WATER-REDUCIBLE RESINS FOR COATINGS AND INKS		
(57) Abstract Water-reducible resins, neutralized resins, and derivatized resins useful for water-borne and solvent-based coatings and inks, powder coatings, and anti-corrosive coatings are disclosed. The water-reducible resins are copolymers of a vinyl aromatic monomer, a propoxylated allyl alcohol, and an acrylic acid monomer. These low-molecular-weight resins uniquely contain both hydroxyl and acid functional groups, and allow controlled curing with a variety of cross-linkers in coating systems. Coatings of the invention are useful in many applications, e.g., automotive basecoats, industrial appliance coatings, and wood finishes.		