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(21) International Application Number: PCT/US97/01274 (22) International Filing Date: 29 January 1997 (29.01.97) ✓ (30) Priority Data: 08/594,612 ✓ 2 February 1996 (02.02.96) ✓ US (71) Applicant: HERCULES INCORPORATED [US/US]; Hercules Plaza, 1313 North Market Street, Wilmington, DE 19894-0001 (US). * P F 8 (72) Inventor: LAUZON, Rodrigue, V.; Hercules Incorporated, Research Center, 500 Hercules Road, Wilmington, DE 19808-1599 (US). (74) Agents: NADEL, Alan, S.; Panitch Schwarze Jacobs & Nadel, P.C., 36th floor, 1601 Market Street, Philadelphia, PA 19103-2398 (US) et al.		(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, <u>SG</u> , SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (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. 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: EMULSIFIER SYSTEM FOR ROSIN SIZING AGENTS ✓ (57) Abstract A dispersed rosin sizing composition comprising rosin stabilized by a cationic colloidal coacervate dispersing agent, the coacervate dispersing agent comprising an anionic component and a cationic component, the anionic and cationic components being present in a proportion such that the sizing composition has a zeta potential of at least about 20 millivolts. Methods of making and using the stable rosin sizing composition are also disclosed, as is sized paper made using the sizing composition.		