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(21) International Application Number: PCT/US96/09733 (22) International Filing Date: 10 June 1996 (10.06.96) (30) Priority Data: 08/608,921 29 February 1996 (29.02.96) US (71) Applicant: MINNESOTA MINING AND MANUFACTURING COMPANY [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US). (72) Inventors: KUO, Richard, J.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). MITRA, Smarajit; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). BOYER, Charles, E., III; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). PENDERGRASS, Daniel, B., Jr.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). (74) Agents: HORNICKEL, John, H. et al.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, 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 (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-BASED PIGMENTED INKS HAVING SILICONE-CONTAINING POLYMER INCORPORATED THEREIN		
(57) Abstract		
Water-based pigmented ink formulations are disclosed including a water soluble or water dispersible silicone-containing polymer additive comprising a vinyl silicone polymer. The additive significantly reduces kogation, mudcracking, and banding in some or all of the pigmented ink formulations.		