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(21) International Application Number: PCT/US97/01730 (22) International Filing Date: 30 January 1997 (30.01.97) (30) Priority Data: 08/614,986 12 March 1996 (12.03.96) US (71) Applicant: MINNESOTA MINING AND MANUFACTURING COMPANY [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US). (72) Inventors: STEELMAN, Ronald, S.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). SCHREADER, Loren, R.; 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, 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 (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: INKJET RECORDING MEDIUM (57) Abstract An inkjet recording medium is provided, having a hydrophilic, microporous, polymeric membrane with a hygroscopic layer residing on a major surface thereof. The hygroscopic layer receives an inkjet image and the hydrophilic, microporous, polymeric membrane diffuses the water and other solvents from the ink to provide rapid drying and a precise inkjet image. A method of forming the precise inkjet image is also disclosed using conventional inkjet printers using the disclosed inkjet recording medium. Uses for the inkjet recording medium range from overhead projector transparencies to graphic appliques such as outdoor billboards. A second embodiment provides a field of pressure sensitive adhesive on at least a portion of the side of the hydrophilic, microporous, polymeric membrane opposite the hygroscopic layer containing the permanent, precise image.		