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(21) International Application Number: PCT/US98/05635 (22) International Filing Date: 20 March 1998 (20.03.98) (30) Priority Data: 08/838,579 10 April 1997 (10.04.97) US (71) Applicant: MINNESOTA MINING AND MANUFACTURING COMPANY [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US). (72) Inventor: MOSHREFZADEH, Robert, S.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). (74) Agents: BUCKINGHAM, Stephen, W. 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, GH, GM, GW, HU, ID, 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, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), 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: REAR PROJECTION SCREEN INCORPORATING DIFFUSER**(57) Abstract**

A rear projection screen (10) including a plurality of refracting beads (1) bound in optical contact with a substrate (12) is disclosed. The beads are surrounded by an opaque matrix (2). A diffuser (28) is positioned such that light traveling through the screen (10) will pass through the diffuser (28) after passing through the beads but before exiting the screen (10).

