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(21) International Application Number: PCT/US96/02524 (22) International Filing Date: 23 February 1996 (23.02.96) (30) Priority Data: 08/414,955 / 31 March 1995 (31.03.95) US (71) Applicant: MINNESOTA MINING AND MANUFACTURING COMPANY [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US). (72) Inventor: ALLEN, William, G.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). (74) Agents: MUSGROVE, Jack, V. 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, 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, <u>SG</u> SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, 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: DOME SHAPED CLOSURE FOR FIBER OPTICS**(57) Abstract**

A fiber optic dome closure has a body with a closed end and an open end, a tubular base releasably secured to the open end, a strain relief member attached to the base, having cable ports therein, and several fiber optic storage trays supported in the body. The trays include a transition tray which receives excess fiber slack, and two or more splice trays hingedly attached at a common end to either the transition tray or to another splice tray. The transition and splice trays being generally flat and lying stacked in a storage position. The splice trays can be inclined without kinking the fibers routed around that end, and the hinges have features formed integrally therewith which releasably secure the tray in the inclined, access position. A split tube for routing fiber from the transition tray to either of the splice trays, or between the splice trays, has a releasable seal along a longitudinal seam to allow the fibers to be secured therein quickly, without threading. The transition tray and splice trays are preferably formed of an injection-moldable thermoplastic polymer, with the hinging structures integrally molded therein. The splice trays are essentially identical, i.e., come from the same mold.

