

Title (en)

OPTICAL FIBER CONNECTOR USING PHOTOCURABLE ADHESIVE

Title (de)

OPTISCHE FASERSTECKER UNTERVERWENDUNG EINES LICHTAUSHÄRTENDEN KLEBSTOFFS

Title (fr)

CONNECTEUR DE FIBRES OPTIQUES DANS LEQUEL UN ADHESIVE PHOTODURCISSABLE EST UTILISE

Publication

EP 1053495 A1 20001122 (EN)

Application

EP 98935503 A 19980629

Priority

- US 9813555 W 19980629
- US 1796698 A 19980203
- US 8519898 A 19980527

Abstract (en)

[origin: WO9940465A1] A fiber optic connector including a holder for one or more optical cables, each optical cable having an optical fiber surrounded by strengthening fibers, both of which are surrounded by at least one polymeric coating layer. The cable is stripped in a layerwise manner such that an area of exposed fiber is succeeded by an area of exposed strengthening fibers, succeeded by an area of coated cable. A visible light curable adhesive is injected into the holder and cured by exposure to visible light for up to 30 seconds, bonding the optical fiber layers and the holder into a unified structure.

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