

Title (en)

IMBEDDED CARRIER BLADES FOR CLEAVING OPTICAL FIBERS, AND RELATED CLEAVERS AND METHODS

Title (de)

EINGEBETTETE TRÄGERKLINGEN ZUM SPALTEN OPTISCHER FASERN, ZUGEHÖRIGE SPALTER UND VERFAHREN

Title (fr)

LAMES À SUPPORT INTÉGRÉ POUR CLIVER DES FIBRES OPTIQUES, ET OUTILS DE CLIVAGE ET PROCÉDÉS ASSOCIÉS

Publication

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Application

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Abstract (en)

[origin: WO2012071364A1] Imbedded carrier blades for cleaving optical fibers and related cleavers and methods are disclosed. In one embodiment, the blade includes a carrier body that defines a blade edge. At least one cleaving material is imbedded into at least a portion of the carrier body. The at least one cleaving material is additionally exposed on at least a portion of the blade edge to induce a flaw in a portion of an optical fiber contacted by the blade edge. The portion of the optical fiber can be broken about the induced flaw to create an end face for fiber optic termination preparations. Cleaving the optical fiber prepares an end face on the optical fiber to prepare fiber optic terminations, including in the field. The imbedded carrier blade can be disposed in a cleaver to cleave an optical fiber. Methods of cleaving an optical fiber using an imbedded carrier blade are also provided.

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