

Title (en)

FUSION-SPLICE FIBER OPTIC CONNECTORS AND RELATED TOOLS

Title (de)

FUSIONSSPLEISS-GLASFASERKONNEKTOREN UND ENTSPRECHENDE HILFSMITTEL

Title (fr)

CONNECTEURS DE FIBRES OPTIQUES À ÉPISURE PAR FUSION ET OUTILS S'Y RAPPORTANT

Publication

EP 2171510 A1 20100407 (EN)

Application

EP 08780135 A 20080711

Priority

- US 2008008534 W 20080711
- US 95970207 P 20070716
- US 7712608 A 20080317

Abstract (en)

[origin: WO2009011799A1] Fiber optic connectors having an optical fiber stub that is fusion-spliced for optical connection and related tools for the fiber optic connectors are disclosed. Specifically, the connector assembly for fusion-splicing includes a fiber optic connector having an optic fiber stub and a boot attachable to the fiber optic connector. The boot is configured to transfer the majority of the axial force from the fiber optic cable to the fiber optic connector. Specifically, a splice housing for housing the fusion splice is configured for attachment to an end of the boot for transferring forces from the fiber optic cable to the boot. Consequently, the boot preferably has an extensibility of less than about 2 millimeters under an axial load of about fifteen pounds to inhibit excess forces from acting on the optical fiber stub.

IPC 8 full level

G02B 6/255 (2006.01); **G02B 6/38** (2006.01)

CPC (source: EP US)

G02B 6/3846 (2013.01 - EP US); **G02B 6/3888** (2021.05 - EP US); **G02B 6/2551** (2013.01 - EP); **G02B 6/2558** (2013.01 - EP); **G02B 6/38875** (2021.05 - EP US)

Citation (search report)

See references of WO 2009011799A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009011799 A1 20090122; CA 2692809 A1 20090122; EP 2171510 A1 20100407

DOCDB simple family (application)

US 2008008534 W 20080711; CA 2692809 A 20080711; EP 08780135 A 20080711