

Title (en)

FERRULES WITH COMPLIMENTARY MATING GEOMETRY AND RELATED FIBER OPTIC CONNECTORS

Title (de)

HÜLSE MIT ENTSPRECHENDER ANPASSUNGSGEOMETRIE UND GLASFASERVERBINDER DAMIT

Title (fr)

VIROLES À GÉOMÉTRIE D'ACCOUPLEMENT COMPLÉMENTAIRE ET CONNECTEURS DE FIBRES OPTIQUES ASSOCIÉS

Publication

EP 2598926 A1 20130605 (EN)

Application

EP 11741043 A 20110725

Priority

- US 36937110 P 20100730
- US 2011045138 W 20110725

Abstract (en)

[origin: WO2012015713A1] Optical fiber ferrules (10, 20) with complementary mating geometry that are suitable for making optical connections are disclosed along with fiber optic connectors and cable assemblies using the same. In one embodiment, the fiber optic ferrule (10) includes a body (12) having a plurality of optical pathways (14) and a mating geometry that includes at least one slot (15) monolithically formed in the body of the fiber optic ferrule. The slot of the ferrule permits relatively high number of mating/unmating cycles without generating excessive wear and debris, thereby making it suitable for consumer electronic devices or the like. The disclosure is also directed to fiber optic connectors and cable assemblies using the ferrule.

IPC 8 full level

G02B 6/38 (2006.01)

CPC (source: EP KR)

G02B 6/36 (2013.01 - KR); **G02B 6/38** (2013.01 - KR); **G02B 6/3817** (2013.01 - EP); **G02B 6/3885** (2013.01 - EP); **G02B 6/3821** (2013.01 - EP); **G02B 6/3831** (2013.01 - EP)

Citation (search report)

See references of WO 2012015713A1

Citation (examination)

WO 2011116167 A1 20110922 - CORNING INC [US], et al

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2012015713 A1 20120202; CN 103189773 A 20130703; CN 103189773 B 20160803; EP 2598926 A1 20130605; JP 2013533515 A 20130822; KR 20130002936 U 20130516

DOCDB simple family (application)

US 2011045138 W 20110725; CN 201180037653 A 20110725; EP 11741043 A 20110725; JP 2013521865 A 20110725; KR 20137000007 U 20110725