

Title (en)
FIBER OPTIC CONNECTOR WITH ROTATIONALLY ADJUSTABLE FERRULE

Title (de)
OPTISCHER FASERSTECKER MIT DREHBAR AUSRICHTBARER FERRULE

Title (fr)
CONNECTEUR DE FIBRE OPTIQUE A FERULE REGLABLE EN ROTATION

Publication
EP 1629312 B8 20071003 (EN)

Application
EP 04753206 A 20040525

Priority
• US 2004016334 W 20040525
• US 44586503 A 20030527

Abstract (en)
[origin: WO2004107002A1] A fiber optic connector assembly (10) includes an outer connector housing (12) defining an optic axis (16). An inner optical fiber plug (34) is mounted in the housing for limited axial movement therein and for rotational movement angularly of said axis (16). An indexing or locking mechanism (48) is provided between the plug (34) and the housing (12) to hold the plug in selected rotational positions of adjustment angular of the optic axis (16). Axial movement of the plug (34) within and relative to the housing is effective to disengage the lock or indexing (48) mechanism and allow rotation of the plug (34). A retainer (54) is selectively movable into engagement with the plug (34) to prevent axial movement of the plug (34) and, thereby, prevent disengagement of the lock or indexing mechanism (48), thereby fixing the rotational position of the adjustment of the plug (34).

IPC 8 full level
G02B 6/38 (2006.01)

CPC (source: EP US)
G02B 6/3869 (2013.01 - EP US); **G02B 6/3871** (2013.01 - EP US); **G02B 6/3893** (2013.01 - EP US)

Cited by
US8393803B2; US8840319B2; US9063297B2

Designated contracting state (EPC)
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WO 2004107002 A1 20041209; CN 1809772 A 20060726; CN 1809772 B 20100901; DE 602004008066 D1 20070920; DE 602004008066 T2 20080424; EP 1629312 A1 20060301; EP 1629312 B1 20070808; EP 1629312 B8 20071003; US 2005084215 A1 20050421; US 6913392 B2 20050705

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