

Title (en)

OPTICAL CONNECTING SYSTEM COMPRISING A PLUG AND A SOCKET WITH ANTI-TURN MECHANISM

Title (de)

OPTISCHES VERBINDUNGSSYSTEM UMFASSEND EINEN STECKER UND EINE BUCHSE MIT VERDREHSICHERUNG

Title (fr)

SYSTÈME DE CONNEXION OPTIQUE COMPRENANT UNE FICHE ET UNE DOUILLE À BLOCAGE EN ROTATION

Publication

EP 2149061 A1 20100203 (DE)

Application

EP 08758492 A 20080513

Priority

- EP 2008003833 W 20080513
- DE 102007023250 A 20070518

Abstract (en)

[origin: WO2008141755A1] The present invention relates to a connecting system comprising a plug (1) and a socket (2). A light wave conductor (21a, 21b) is guided through each of them. The plug (1) comprises a ferrule (3) and a cylindrical projection (7) having a larger diameter compared to the ferrule on the side of the ferrule (3) facing the conductor. The socket (2) comprises a stepped bore (14) for receiving the ferrule (3) and the cylindrical projection (7), the dimensions of the ferrule (3) and the cylindrical projection (7) having a diameter larger than the ferrule on the side of the ferrule facing the conductor and the stepped bore corresponding to a standard FSMA plug or socket, characterized in that the plug comprises at least one groove (11) and the socket at least one corresponding spring (18). The spring (18) extends into the groove (11) when the plug and the socket are plugged together. The groove (11) is introduced into the cylindrical projection (7) having a larger diameter than the ferrule (3) and the spring (18) is introduced into the bore (16) having the larger diameter of the stepped bore (14) and corresponding to said region.

IPC 8 full level

G02B 6/38 (2006.01)

CPC (source: EP US)

G02B 6/3831 (2013.01 - EP US); **G02B 6/3873** (2013.01 - EP US); **G02B 6/381** (2013.01 - EP US); **G02B 6/3894** (2013.01 - EP US)

Citation (search report)

See references of WO 2008141755A1

Citation (examination)

EP 0657755 A1 19950614 - DIAMOND SA [CH], et al

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)

DE 102007023250 A1 20081120; EP 2149061 A1 20100203; US 2010178010 A1 20100715; WO 2008141755 A1 20081127

DOCDB simple family (application)

DE 102007023250 A 20070518; EP 08758492 A 20080513; EP 2008003833 W 20080513; US 60073008 A 20080513