

Title (en)
OPTICAL PLUG CONNECTION FOR OPTICAL WAVEGUIDES

Title (de)
OPTISCHE STECKVERBINDUNG FÜR LICHTWELLENLEITER

Title (fr)
CONNEXION OPTIQUE ENFICHABLE POUR GUIDES D'ONDE OPTIQUE

Publication
EP 2171509 A1 20100407 (DE)

Application
EP 08759090 A 20080607

Priority

- EP 2008004553 W 20080607
- DE 102007034262 A 20070720
- DE 102007051294 A 20071022

Abstract (en)
[origin: WO2009012845A1] The invention relates to an optical plug connection for optical waveguides comprising a plug (1) and a matching socket (2), and also comprises a method for adjusting the plug connection. In the case of such a plug connection, the plug (1) has at least one planar, smoothed contact area (19) oriented with respect to a propagation direction of a light beam passing from or into the plug (1), for bearing on a corresponding planar, smoothed mating contact area (19) of the socket (2) that is oriented with respect to the propagation direction of the light beam.

IPC 8 full level
G02B 6/36 (2006.01); **G02B 6/32** (2006.01)

CPC (source: EP US)
G02B 6/32 (2013.01 - EP US); **G02B 6/3873** (2013.01 - EP US); **G02B 6/4226** (2013.01 - EP US); **G02B 6/423** (2013.01 - EP US); **G02B 6/4234** (2013.01 - EP US)

Citation (search report)
See references of WO 2009012845A1

Citation (examination)
US 6263133 B1 20010717 - HAMM MARK A [US]

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 102007051294 A1 20090122; **DE 102007051294 B4 20120322**; EP 2171509 A1 20100407; JP 2010533879 A 20101028; JP 5602627 B2 20141008; US 2010254655 A1 20101007; US 8622624 B2 20140107; WO 2009012845 A1 20090129

DOCDB simple family (application)
DE 102007051294 A 20071022; EP 08759090 A 20080607; EP 2008004553 W 20080607; JP 2010516380 A 20080607; US 66990808 A 20080607