

Title (en)

CONNECTOR DEVICE FOR THE DETACHABLE CONNECTION OF AT LEAST ONE LIGHT WAVE GUIDE TO AT LEAST ONE OPTOELECTRONIC COMPONENT AND METHOD FOR ASSEMBLY OF SUCH A CONNECTOR DEVICE

Title (de)

ANSCHLUSSVORRICHTUNG ZUM LÖSBAREN VERBINDEN WENIGSTENS EINES LICHTWELLENLEITERS MIT WENIGSTENS EINEM OPTOELEKTRONISCHEN BAUELEMENT SOWIE VERFAHREN ZUM MONTIEREN EINER SOLCHEN ANSCHLUSSVORRICHTUNG

Title (fr)

DISPOSITIF D'ASSEMBLAGE POUR RELIER DE FA ON LIBERABLE AU MOINS UN GUIDE D'ONDES OPTIQUES AVEC AU MOINS UN ELEMENT OPTOELECTRONIQUE ET PROCEDE POUR MONTER UN DISPOSITIF D'ASSEMBLAGE DE CE TYPE

Publication

EP 1543365 A1 20050622 (DE)

Application

EP 03732165 A 20030708

Priority

- CH 0300452 W 20030708
- CH 16022002 A 20020923

Abstract (en)

[origin: WO2004027482A1] The invention relates to a connector device (10), for the detachable connection of at least one light wave guide to at least one optoelectronic component (12), which is arranged and electrically contacted as a chip directly to the surface of a support or a circuit board (11) and which has an optical axis perpendicular to the support or circuit board (11). The application thereof is more flexible and the construction simplified, whereby the light wave guide is provided with a standardized, fibre-optic plug connector (20) at the end thereof for connection. Said connector device (10) comprises a base piece (15) fixed to the surface of the support or circuit board (11), enclosing the optoelectronic component (12) and comprising a through drilling for the optical signal for exchange between the optical component (12) and the light wave guide and said connector device (10) also comprises a coupling piece (17) which connects to the base piece (15) facing outwards and which comprises a socket opening (18) for plugging in the standardised fibre optic plug connector (20).

IPC 1-7

G02B 6/42

IPC 8 full level

G02B 6/42 (2006.01)

CPC (source: EP US)

G02B 6/4204 (2013.01 - EP US); **G02B 6/4214** (2013.01 - EP US); **G02B 6/4292** (2013.01 - EP US); **G02B 6/4246** (2013.01 - EP US); **G02B 6/4249** (2013.01 - EP US)

Citation (search report)

See references of WO 2004027482A1

Citation (examination)

US 5515468 A 19960507 - DEANDREA JOHN J [US], et al

Cited by

US8403570B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004027482 A1 20040401; AU 2003238330 A1 20040408; EP 1543365 A1 20050622; US 2005259924 A1 20051124; US 7255489 B2 20070814

DOCDB simple family (application)

CH 0300452 W 20030708; AU 2003238330 A 20030708; EP 03732165 A 20030708; US 52895305 A 20050322