Title (en)

OPTOELECTRONIC MODULE, OPTOELECTRONIC PLUG CONNECTOR AND OPTOELECTRONIC SUBDISTRIBUTION UNIT

Title (de)

OPTOELEKTRONISCHES MODUL, OPTOELEKTRONISCHER STECKVERBINDER UND OPTOELEKTRONISCHE UNTERVERTEILUNG

Title (fr)

MODULE OPTOÉLECTRONIQUE, CONNECTEUR DE FICHE OPTOÉLECTRONIQUE ET UNITÉ DE SOUS-DISTRIBUTION OPTOÉLECTRONIQUE

Publication

**EP 4211503 A1 20230719 (DE)**

Application

**EP 21766111 A 20210819**

Priority

- DE 102020123465 A 20200909
- DE 2021100701 W 20210819

Abstract (en)

[origin: WO2022053104A1] In order to simplify mounting and cabling of optoelectronic plug connectors (3, 3') and – equipped therewith – subdistribution units (6) and subdistribution systems, the use of special module housings (100) is proposed. The latter can accommodate a plurality of, in particular eight, identical and/or different optoelectronic transducers (2, 2') and are installed in the plug connectors (3, 3') between the electrical plug contacts (311) and the multi-core optical cables (58), i.e. the cores (51) thereof. Susceptibility to errors is considerably improved as a result and mounting is significantly simplified as a result of the improved clarity.

IPC 8 full level

**G02B 6/42** (2006.01)

CPC (source: EP KR US)

**G02B 6/4242** (2013.01 - EP KR); **G02B 6/4243** (2013.01 - EP KR); **G02B 6/4245** (2013.01 - EP); **G02B 6/4246** (2013.01 - KR); **G02B 6/4249** (2013.01 - KR); **G02B 6/426** (2013.01 - US); **G02B 6/4262** (2013.01 - EP KR); **G02B 6/428** (2013.01 - KR US); **G02B 6/4284** (2013.01 - EP KR); G02B 6/4246 (2013.01 - EP); G02B 6/4249 (2013.01 - EP); G02B 6/428 (2013.01 - EP)

Citation (search report)

See references of WO 2022053104A1

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102020123465 A1 20220310**; **DE 102020123465 B4 20220317**; CN 116097145 A 20230509; EP 4211503 A1 20230719; KR 20230058674 A 20230503; US 2023280552 A1 20230907; WO 2022053104 A1 20220317

DOCDB simple family (application)

**DE 102020123465 A 20200909**; CN 202180061561 A 20210819; DE 2021100701 W 20210819; EP 21766111 A 20210819; KR 20237010588 A 20210819; US 202118019836 A 20210819