

Title (en)

FIBER OPTIC COMMUNICATIONS AND POWER NETWORK

Title (de)

FASEROPTISCHES KOMMUNIKATIONS- UND STROMNETZ

Title (fr)

RÉSEAU D'ALIMENTATION ET DE COMMUNICATION À FIBRES OPTIQUES

Publication

**EP 3763131 A1 20210113 (EN)**

Application

**EP 19764465 A 20190227**

Priority

- US 201815915934 A 20180308
- US 2019019828 W 20190227

Abstract (en)

[origin: WO2019173094A1] A fiber optic-based communications network includes: a power insertion device, connected to multiple fiber links from a data source, configured to provide power insertion to a hybrid fiber/power cable connected to at least one fiber link of the multiple fiber links; the hybrid fiber/power cable, connecting the power insertion device to a connection interface device, configured to transmit data and power from the power insertion device to the connection interface device; and the connection interface device, configured to provide an interface for connection to an end device via a power over Ethernet (PoE)-compatible connection and to provide optical to electrical media conversion for data transmitted from the power insertion device to an end device via the hybrid fiber/power cable and the PoE-compatible connection.

IPC 8 full level

**H04N 21/443** (2011.01); **H04B 10/272** (2013.01); **H04L 12/64** (2006.01)

CPC (source: EP)

**H04B 10/25** (2013.01); **H04L 12/10** (2013.01); **H04L 12/40045** (2013.01); **H04N 7/16** (2013.01); **H04N 21/6118** (2013.01); **H05B 47/185** (2020.01)

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

DOCDB simple family (publication)

**WO 2019173094 A1 20190912**; EP 3763131 A1 20210113; EP 3763131 A4 20211215

DOCDB simple family (application)

**US 2019019828 W 20190227**; EP 19764465 A 20190227