

Title (en)

POLARIZATION-DIVERSITY OPTICAL POWER SUPPLY

Title (de)

OPTISCHE POLARISATIONSDIVERSITÄTS-STROMVERSORGUNG

Title (fr)

ALIMENTATION ÉLECTRIQUE OPTIQUE À DIVERSITÉ DE POLARISATION

Publication

EP 4158801 A1 20230405 (EN)

Application

EP 21817095 A 20210601

Priority

- US 202016888890 A 20200601
- US 202163145368 P 20210203
- US 2021035179 W 20210601

Abstract (en)

[origin: WO2021247521A1] Provided is an optical communication system comprising a polarization-diversity optical power supply capable of supplying light over a non-polarization-maintaining optical fiber to a polarization-sensitive modulation device. In an example embodiment, the polarization-diversity optical power supply operates to accommodate random polarization fluctuations within the non-polarization-maintaining optical fiber and enables an equal-power split at a passive polarization splitter preceding the polarization-sensitive modulation device.

IPC 8 full level

H04B 10/532 (2013.01); **H04B 10/50** (2013.01); **H04B 10/516** (2013.01); **H04J 14/06** (2006.01)

CPC (source: EP KR)

H04B 10/2572 (2013.01 - KR); **H04B 10/516** (2013.01 - EP); **H04B 10/532** (2013.01 - EP KR); **H04B 10/564** (2013.01 - KR); **H04B 10/801** (2013.01 - EP); **H04B 10/807** (2013.01 - KR); **H04J 14/0221** (2013.01 - KR); **H04J 14/06** (2013.01 - EP KR)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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