

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  
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• 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);  
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**WO 2021247521 A1 20211209**; AU 2021284259 A1 20230202; CA 3185479 A1 20211209; CN 116235430 A 20230606;  
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