Title (en)

COMMUNICATION SYSTEMS HAVING OPTICAL POWER SUPPLIES

Title (de)

KOMMUNIKATIONSSYSTEME MIT OPTISCHEN STROMVERSORGUNGEN

Title (fr)

SYSTÈMES DE COMMUNICATION PRÉSENTANT DES ALIMENTATIONS ÉLECTRIQUES OPTIQUES

Publication

EP 4327635 A1 20240228 (EN)

Application

EP 22792706 A 20220422

Priority

- US 202163178501 P 20210422
- US 202163192852 P 20210525
- US 202163208759 P 20210609
- US 202163210437 P 20210614
- US 202163212013 P 20210617
- US 202163223685 P 20210720
- US 202163225779 P 20210726
- US 202163245005 P 20210916
- US 202163245011 P 20210916
- US 202163245559 P 20210917
- US 202163272025 P 20211026
- US 202263324429 P 20220328
- US 2022071857 W 20220422

Abstract (en)

[origin: WO2022226528A1] A system includes a housing including a front panel, a rear panel, an upper panel, and a lower panel. At least one data processor and at least one optical module are coupled to a circuit board/substrate. Each optical module converts input optical signals to electrical signals that are provided to the at least one data processor, or converts electrical signals received from the at least one data processor to output optical signals. At least one inlet fan is mounted near the front panel to increase an air flow across a surface of (i) the at least one data processor, (ii) a heat dissipating device thermally coupled to the at least one data processor, (iii) the at least one optical module, or (iv) a heat dissipating device thermally coupled to the at least one optical module. At least one laser module provides optical power to the at least one optical module.

IPC 8 full level

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