

Title (en)

CASCADE-FORM WAVELENGTH DIVISION MULTIPLEXING OPTOELECTRONIC TRANSCEIVER DEVICE, SYSTEM AND METHOD

Title (de)

KASKADENFÖRMIGE OPTOELEKTRONISCHE WDM-SENDEEMPFÄNGER-VORRICHTUNG, SYSTEM UND VERFAHREN

Title (fr)

DISPOSITIF, SYSTEME ET PROCEDE EMETTEUR-RECEPTEUR OPTOELECTRONIQUE WDM EN CASCADE

Publication

EP 3207648 A1 20170823 (FR)

Application

EP 15787263 A 20151009

Priority

- FR 1459816 A 20141013
- FR 2015052730 W 20151009

Abstract (en)

[origin: WO2016059330A1] The invention relates to an optoelectronic transceiver device comprising a first optical connector (OC1) capable of connection to a first bidirectional optical fibre (OF1), and a second optical connector (OC2) capable of connection to a second bidirectional optical fibre (OF2), the device further comprising: an insertion-extraction module (ADM) capable of: extracting a wavelength (λ_{Rx}) from a plurality of wavelengths constituting a first optical signal received by the first optical connector (OC1) and transmitting the first optical signal without the extracted wavelength to the second optical connector (OC2); inserting a wavelength (λ_{Tx}) into a second optical signal received by the second optical connector (OC2) and transmitting the second optical signal with the inserted wavelength to the first optical connector (OC1); an electric-optical conversion module (EC1) capable of providing the insertion-extraction module with the wavelength (λ_{Tx}) inserted into the second optical signal from an incoming electric signal (Data Tx); and an optical-electric conversion module (EC2) capable of converting the wavelength (λ_{Rx}) extracted from the first optical signal by the insertion-extraction module into an outgoing electric signal (Data Rx).

IPC 8 full level

H04J 14/02 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2016059330A1

Cited by

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