

Title (en)

METHOD FOR TRANSMITTING AT LEAST ONE FIRST AND SECOND DATA SIGNAL IN POLARIZATION MULTIPLEX IN AN OPTICAL TRANSMISSION SYSTEM

Title (de)

VERFAHREN ZUR ÜBERTRAGUNG VON MINDESTENS EINEM ERSTEN UND ZWEITEN DATENSIGNAL IM POLARISATIONSMULTIPLEX IN EINEM OPTISCHEN ÜBERTRAGUNGSSYSTEM

Title (fr)

PROCEDE DE TRANSMISSION D'AU MOINS UN PREMIER ET UN DEUXIEME SIGNAL DE DONNEES EN MULTIPLEXAGE DE POLARISATION DANS UN SYSTEME DE TRANSMISSION OPTIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: DE10236603A1] A method for transmitting at least first and second data signals (ds1, ds2) involves initially modulating the first and second data signals on to side-bands (SB1, SB2) respectively, during which the first and second side-band modulated signals (ms1, ms2) are mutually orthogonally polarized and combined to form an optical multiplex signal for transmission. On the reception side the optical multiplex signal is fed into a polarization splitter (PBS), via a polarization corrector (PTF), for separating into first and second modulated signals. The first and second side-band modulated signals are then converted into first and second electrical signals (es1, es2) which are evaluated/weighted to derive at least one control/regulating signal (rs) for regulating the polarization corrector (PTF).

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