

Title (en)

EMULATOR AND COMPENSATOR FOR POLARIZATION MODE DISPERSION

Title (de)

EMULATOR UND KOMPENSATOR FÜR POLARISATIONSMODENDISPERSION

Title (fr)

EMULATEUR ET COMPENSATEUR POUR LA DISTORSION DE MODES DE POLARISATION

Publication

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Application

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Abstract (en)

[origin: DE19816178A1] The invention relates to an emulator or compensator (EK) for the polarization mode dispersion of a light wave (L), comprising an input (EE), a continuous optical wave guide (LWL) which is a polarization-maintaining optical wave guide (PMF) having a differential group delay time (DGD), a polarization transformer (PT) and an output (AA). The polarization transformer (PT) is also embodied in a polarization-maintaining optical wave guide (PMF) and allows for infinite polarization transformations. The emulator or compensator (EK) can consist of several individual emulators or compensators (1, 2, ... N) which each have an input (E) and an output (A).

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