

Title (en)

BI-DIRECTIONAL DISPERSION COMPENSATOR

Title (de)

BIDIREKTIONALER DISPERSIONSKOMPENSATOR

Title (fr)

COMPENSATEUR DE DISPERSION BIDIRECTIONNEL

Publication

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Application

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Priority

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- DE 19806584 A 19980217

Abstract (en)

[origin: DE19806584C1] The compensator is provided for two optical signals (S1,S2) transmitted in two opposite directions over an optical waveguide (L1,L2). Filter coupler elements (F1,F2) combine the two optical signals. A circulator (Z) has a first terminal (1) to which the combined signals are fed. A compensation line (LK) is provided on one side with a reflector (R). The compensation line is connected to the second terminal (2) of the circulator (Z). The combined optical signals are transmitted in the compensation line and are fed in as reflected dispersion compensated signals. The device also has filter coupler elements for separating the dispersion-compensated optical signals at the third terminal (3) of the circulator and for supplying them to the optical waveguide where they are transmitted in their original directions.

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