

Title (en)

SYSTEM FOR HIGHER-ORDER DISPERSION COMPENSATION INCLUDING A DELAY LINE

Title (de)

SYSTEM ZUR DISPERSIONSKOMPENSATION HÖHERER ORDNUNG MIT VERZÖGERUNGSLEITUNG

Title (fr)

SYSTEME DE COMPENSATION DE DISPERSION D'ORDRE SUPERIEUR COMPRENANT UNE LIGNE A RETARD

Publication

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Application

**EP 02792497 A 20021219**

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Abstract (en)

[origin: WO03058857A2] A high-order dispersion compensator having a first order and a second-order polarization mode dispersion compensation elements including a polarization beam splitter coupled to receive the polarization controlled signal and split it into a first polarization component and a second orthogonal polarization component. A first waveguide having a first non-linearly chirped grating receives the first polarization signal. A second waveguide having a second non-linearly chirped grating receives the second polarization signal. A first tuning mechanism tunes both the first and the second grating simultaneously and a second tuning mechanism tunes the second grating independently. The compensator also may have a static chromatic dispersion compensation element.

IPC 1-7

**H04B 10/18**; **G02B 6/293**

IPC 8 full level

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