

Title (en)

OPTICAL TRANSMISSION ELEMENT AND METHOD FOR REDUCING ITS POLARISATION MODE DISPERSION

Title (de)

OPTISCHES ÜBERTRAGUNGSELEMENT SOWIE VERFAHREN ZUR REDUZIERUNG DESSEN POLARISATIONSMODEN-DISPERSION

Title (fr)

ELEMENT DE TRANSMISSION OPTIQUE ET PROCEDE DE REDUCTION DE SA DISPERSION MODE D E POLARISATION

Publication

**EP 1062533 A1 20001227 (DE)**

Application

**EP 98966790 A 19981218**

Priority

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Abstract (en)

[origin: DE19810812A1] The optical transmission element (OE1) has at least one optical waveguide (LW) which has a given polarisation mode dispersion. To reduce this polarisation mode dispersion, of the respective waveguide along its length, interference means (CL1) are statistically distributed. The interference means cause externally directed additional polarisation mode couplings for transmitted light inside the optical waveguide. The interference means are formed by additional material coatings on the respective waveguides. Coloured markings may be provided as the material coating.

IPC 1-7

**G02B 6/17**; **G02B 6/14**; **G02B 6/44**

IPC 8 full level

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CPC (source: EP US)

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