

Title (en)  
A GRATING DESIGN

Title (de)  
GITTESTRUKTUR

Title (fr)  
STRUCTURE DE RESEAU

Publication  
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Application  
**EP 00965644 A 20000921**

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Abstract (en)  
[origin: WO0122126A1] The present invention provides an optical device incorporating a sampled grating structure having a chirped sampling period. The present invention may alternatively be defined as a method of producing a grating structure in a photosensitive optical waveguide, the method comprising the step of irradiating the device with UV light at an intensity sufficient to induce refractive index variations in the waveguide in a manner to produce a sampled grating structure, and wherein the radiation is controlled in a manner to effect chirping of the sampling period. The invention may alternatively be defined as providing a group delay dispersion compensator device comprising a sampled grating structure having a chirped sampling period. It has also been recognised that a method of producing a zero dispersion WDM channel can be provided.

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