

Title (en)

DYNAMIC SPECTRAL EQUALIZER USING A PROGRAMMABLE HOLOGRAPHIC MIRROR

Title (de)

DYNAMISCHER SPEKTRALER ENTZERRER MIT EINEM PROGRAMMIERBAREN HOLOGRAPHISCHEN SPIEGEL

Title (fr)

EGALISEUR SPECTRAL DYNAMIQUE METTANT EN OEUVRE UN MIROIR HOLOGRAPHIQUE PROGRAMMABLE

Publication

**EP 1444796 A1 20040811 (FR)**

Application

**EP 02793239 A 20021114**

Priority

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- FR 0114756 A 20011114

Abstract (en)

[origin: WO03043233A1] The invention concerns a dynamic spectral equalizer, comprising: means for demultiplexing an incident beam of at least two multiplexed wavelengths including at least a first dispersive optical element, so as to form a spatial multiplex of said at least two wavelengths; means for attenuating the spectral power associated with at least one wavelength of said spatial multiplex, including at least a programmable semitransparent holographic mirror, so as to form an equalized spatial multiplex; means for multiplexing said equalized spatial multiplex, including at least a second dispersive optical element, so as to form an equalized beam of at least two multiplexed wavelengths.

IPC 1-7

**H04B 10/18**

IPC 8 full level

**G02B 6/34** (2006.01); **H04B 10/2507** (2013.01)

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Citation (search report)

See references of WO 03043233A1

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