

Title (en)

METHODS AND APPARATUS FOR DIFFRACTIVE OPTICAL PROCESSING USING AN ACTUATABLE STRUCTURE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DIFFRAKTIVEN OPTISCHEN VERARBEITUNG UNTER VERWENDUNG EINER BETÄTIGBAREN STRUKTUR

Title (fr)

PROCEDES ET APPAREIL DE TRAITEMENT OPTIQUE A DIFFRACTION UTILISANT UNE STRUCTURE ACTIONNABLE

Publication

EP 1373963 A4 20060426 (EN)

Application

EP 02719172 A 20020304

Priority

- US 0207150 W 20020304
- US 27294601 P 20010302
- US 1573201 A 20011210

Abstract (en)

[origin: WO02071132A2] A method of redirecting light using an actuatable two-layer diffraction grating structure, the method having applications in wavelength-division multiplexed systems. An optical add/drop modulator (OADM) including an actuatable diffraction grating, for use with a wavelength-division multiplexed signal. An OADM having an optical source located off the main pathway to direct a optical carrier to be added onto the actuatable diffraction grating such that the carrier is diffracted into the main pathway. A detector to measure signal strength for use with an optical processor, the optical processor having an actuatable structure having gaps between the actuated portion of the structure. The detector detecting the portions of light diffracted by the gaps.

[origin: WO02071132A2] A method of redirecting light using an actuatable two-layer diffraction grating structure (50), the method having applications in wavelength-division multiplexed systems. The grating structure having a plurality of actuatable grating elements (52).

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] US 5757536 A 19980526 - RICCO ANTONIO J [US], et al
- [A] US 5982553 A 19991109 - BLOOM DAVID M [US], et al
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