

Title (en)
WAVELENGTH SELECTIVE OPTICAL DEVICES

Title (de)
WELLENLÄNGENSELEKTIVE OPTISCHE ELEMENTE

Title (fr)
DISPOSITIFS OPTIQUES SELECTIFS EN LONGUEURS D'ONDES

Publication
EP 0857314 A4 19990324 (EN)

Application
EP 96939482 A 19961025

Priority
• US 9616819 W 19961025
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Abstract (en)
[origin: WO9715851A1] Wavelength selective devices and subsystems having various applications in the field of optical communications are disclosed. These devices and subsystems are composed of bidirectional grating assisted mode couplers (9). The high add/drop efficiency and low loss of this coupler enable low loss wavelength selective elements such as optical switches (62), amplifiers (63), routers (5), and sources to be fabricated. The grating assisted mode coupler (23) can be wavelength tuned by modifying the optical properties of the coupler interaction region. A programmable, wavelength selective router (5) composed of multiple grating assisted mode couplers is also disclosed.

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IPC 8 full level
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Citation (search report)
No further relevant documents disclosed

Citation (examination)
• EP 0475016 A2 19920318 - HITACHI LTD [JP]
• JP S55163505 A 19801219 - NIPPON TELEGRAPH & TELEPHONE
• US 5459801 A 19951017 - SNITZER ELIAS [US]
• EP 0279520 A2 19880824 - KOKUSAI DENSHIN DENWA CO LTD [JP]
• See also references of WO 9715851A1

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