

Title (en)
FLEXIBLE OPTICAL MULTIPLEXER

Title (de)
FLEXIBLER OPTISCHER MULTIPLEXER

Title (fr)
MULTIPLEXEUR OPTIQUE SOUPLE

Publication
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Application
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Priority

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Abstract (en)
[origin: WO0051277A2] A multiplexer has an optical circulator including at least first, second and third circulator ports. An optical fiber with a first optical transmission path is coupled to the first circulator port of the optical circulator. The optical fiber carries a wavelength division multiplexed optical signal, including signals λ_1 - λ_n , and at least one signal λ_1 to be dropped by the multiplexer. A second optical transmission path is in optical communication with the second circulator port. A first filter is coupled to the second optical transmission path. The first filter passes a portion of the λ_1 signal, and reflects a first residual λ_1 signal and signals λ_2 - λ_n to the optical circulator. A third optical transmission path is in optical communication with the third circulator port and transmits the signals λ_2 - λ_n received from the optical circulator.

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