

Title (en)  
WAVELENGTH-SELECTIVE OPTICAL SWITCHING APPARATUS

Title (de)  
WELLENLÄNGENSELEKTIVE OPTISCHE VERMITTLUNGSEINRICHTUNG

Title (fr)  
DISPOSITIF DE COMMUTATION OPTIQUE A LONGUEUR D'ONDE SELECTIONNEE, SYSTEME DE COMMUNICATION OPTIQUE METTANT CE DISPOSITIF EN APPLICATION ET PROCEDE UTILISE DANS CE SYSTEME DE COMMUNICATION OPTIQUE

Publication  
**EP 1016235 A2 20000705 (EN)**

Application  
**EP 98948319 A 19980918**

Priority

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- US 5921497 P 19970918

Abstract (en)  
[origin: WO9914879A2] An optical switching apparatus is designed to implement a serial switching architecture for wavelength division multiplexed (WDM) optical communication systems. The design allows for add/drop switching of a selected wavelength channel without switching a non-selected wavelength channel, thereby avoiding potential data loss on the non-selected channel during the add/drop switching interval. Exemplary implementations utilize fiber-optics and free-optics based approaches. The serial architecture readily accommodates new wavelength plans and/or the addition of new wavelength channels.

IPC 1-7  
**H04J 14/00**

IPC 8 full level  
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CPC (source: EP KR)  
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