

Title (en)  
SEGMENTED THIN FILM ADD/DROP SWITCH AND MULTIPLEXER

Title (de)  
SEGMENTIERTER DÜNNFILM EINFÜGE/ABZWEIG-SCHALTER UND -MULTIPLEXER

Title (fr)  
COMMUTATEUR ET MULTIPLEXEUR A INSERTION-EXTRACTION A MINCE FILM SEGMENTE

Publication  
**EP 1210628 A4 20030305 (EN)**

Application  
**EP 00947377 A 20000714**

Priority

- US 0019252 W 20000714
- US 14886299 P 19990813
- US 46631999 A 19991217

Abstract (en)  
[origin: WO0113151A1] An optical switch and WADM uses a channel selector (10) to provide channel selection and reconfigurable operation. The channel selector (10) includes a segmented filter portion (100) and a highly reflecting mirror (110). The channel selectors (10) can be cascaded to form an N-wavelength channel WDM system. The WADM allows for the selection of a wavelength channel from a multitude of channels by moving the appropriate channel selector (10) into the path of the light beam.

IPC 1-7  
**G02B 6/293**; G02B 5/20; G02B 6/35; G02B 7/00

IPC 8 full level  
**G02B 26/00** (2006.01); **G02B 6/293** (2006.01); **G02B 6/34** (2006.01); **G02B 6/35** (2006.01); **H04J 14/02** (2006.01); **H04Q 11/00** (2006.01)

CPC (source: EP)  
**G02B 6/29365** (2013.01); **G02B 6/29383** (2013.01); **G02B 6/3582** (2013.01); **H04J 14/0201** (2013.01); **H04Q 11/0005** (2013.01); **G02B 6/3514** (2013.01); **G02B 6/3548** (2013.01); **G02B 6/356** (2013.01); **G02B 6/3572** (2013.01); **G02B 6/358** (2013.01); **H04J 14/0209** (2013.01); **H04Q 2011/0009** (2013.01); **H04Q 2011/0026** (2013.01); **H04Q 2011/0064** (2013.01); **H04Q 2011/0086** (2013.01)

Citation (search report)

- [XA] US 5046806 A 19910910 - KIDDER JOHN S [CA], et al
- [XA] US 4991925 A 19910212 - MITCHELL GORDON L [US], et al
- [A] EP 0859251 A1 19980819 - CORNING INC [US]
- [XA] US 5822095 A 19981013 - TAGA HIDENORI [JP], et al
- [X] US 4486071 A 19841204 - LEVINSON FRANK H [US]
- [X] EP 0877264 A2 19981111 - HEWLETT PACKARD CO [US]
- [A] US 5838847 A 19981117 - PAN JING-JONG [US], et al
- [A] US 5642446 A 19970624 - TSAI JIAN-HUNG [US]
- [A] US 5164858 A 19921117 - AGUILERA JR JOHN A [US], et al
- See also references of WO 0113151A1

Cited by  
CN100395971C

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**WO 0113151 A1 20010222**; AU 6100000 A 20010313; CA 2382079 A1 20010222; EP 1210628 A1 20020605; EP 1210628 A4 20030305; JP 2003507755 A 20030225

DOCDB simple family (application)  
**US 0019252 W 20000714**; AU 6100000 A 20000714; CA 2382079 A 20000714; EP 00947377 A 20000714; JP 2001517197 A 20000714