

Title (en)  
DENSE WDM IN THE 1310NM BAND

Title (de)  
DICHTES WDM IM 1310NM-BAND

Title (fr)  
MRL DENSE DANS LA BANDE 1310NM

Publication  
**EP 1053614 A4 20021023 (EN)**

Application  
**EP 99913813 A 19990219**

Priority  
• US 9903573 W 19990219  
• US 7540498 P 19980220  
• US 10672598 A 19980629

Abstract (en)  
[origin: WO9943118A1] Dense wavelength division multiplexing within a 1310nm band is accomplished over a single mode fiber. Carrier wavelengths are selected from within two windows, a low subband (140) and/or a high subband (160), on either side of a guardband (120). The guardband includes the zero dispersion wavelength of a single mode fiber in the optical communication link and separates low subband and high subband within the 1310nm band. Dispersion compensation is provided for carrier signals in each dense WDM channel in the low and high subbands.

IPC 1-7  
**H04J 14/02**; H04B 10/00; H04B 10/18

IPC 8 full level  
**G02B 6/02** (2006.01); **H04B 10/2513** (2013.01); **H04J 14/00** (2006.01); **H04J 14/02** (2006.01)

CPC (source: EP)  
**H04B 10/25133** (2013.01); **H04J 14/02** (2013.01); **H04B 2210/258** (2013.01); **H04J 14/0224** (2013.01)

Citation (search report)  
• [X] US 5696614 A 19971209 - ISHIKAWA GEORGE [JP], et al  
• [XAY] EP 0444348 A2 19910904 - AMERICAN TELEPHONE & TELEGRAPH [US]  
• [Y] EP 0546707 A2 19930616 - AMERICAN TELEPHONE & TELEGRAPH [US]  
• See also references of WO 9943118A1

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9943118 A1 19990826**; CA 2321500 A1 19990826; EP 1053614 A1 20001122; EP 1053614 A4 20021023; JP 2002504777 A 20020212; MX PA00008183 A 20020604

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