

Title (en)

CHANNEL SYNCHRONISATION BY DISPERSIVE FIBRE IN A WAVELENGTH DIVISION MULTIPLEXING TRANSMISSION SYSTEM

Title (de)

KANALSYNCHRONISIERUNG MITTELS EINER DISPERSIVEN FASER IN EINEM WELLENLÄNGENMULTIPLEXÜBERTRAGUNGSSYSTEM

Title (fr)

SYNCHRONISATION DES CANAUX PAR FIBRE DISPERSIVE DANS UN SYSTEME DE TRANSMISSION A MULTIPLEXAGE EN LONGUEUR D'ONDE

Publication

EP 1145464 A1 20011017 (FR)

Application

EP 00977646 A 20001109

Priority

- FR 0003124 W 20001109
- FR 9914117 A 19991110

Abstract (en)

[origin: WO0135553A1] The invention concerns wavelength division multiplexing transmission systems for regenerating channels by synchronous modulation in one point of the system where the channels are not synchronous. In order to achieve that, the regenerator has a dispersive optical fibre section and a synchronous modulator, the length and the dispersion of the section being selected so as to ensure synchronicity of the bit-times of the channels in the synchronous modulator input.

IPC 1-7

H04B 10/18; **H04B 10/17**

IPC 8 full level

H04B 10/02 (2006.01); **H04B 10/04** (2006.01); **H04B 10/06** (2006.01); **H04B 10/142** (2006.01); **H04B 10/152** (2006.01); **H04B 10/17** (2006.01); **H04B 10/18** (2006.01); **H04B 10/2507** (2013.01); **H04B 10/291** (2013.01); **H04J 14/00** (2006.01); **H04J 14/02** (2006.01)

CPC (source: EP)

H04B 10/25077 (2013.01); **H04B 10/291** (2013.01)

Citation (search report)

See references of WO 0135553A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0135553 A1 20010517; EP 1145464 A1 20011017; FR 2800946 A1 20010511; FR 2800946 B1 20020125; JP 2003514433 A 20030415

DOCDB simple family (application)

FR 0003124 W 20001109; EP 00977646 A 20001109; FR 9914117 A 19991110; JP 2001537183 A 20001109