

Title (en)  
ALL-OPTICAL REGENERATOR FOR WAVELENGTH-DIVISION MULTIPLEXED SIGNALS

Title (de)  
VOLLOPTISCHER REGENERATOR FÜR WELLENLANGENMULTIPLEXIERTE SIGNALEN

Title (fr)  
REGENERATEUR TOUT-OPTIQUE POUR SIGNAUX MULTIPLEXES EN LONGUER D'ONDE

Publication  
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Application  
**EP 01965361 A 20010828**

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Abstract (en)  
[origin: FR2813466A1] The invention concerns a regenerating device for wavelength-division multiplexed optical signals designed to simultaneously regenerate N channels of a multiplex. The invention is characterised in that at least one component of the regenerator (112, 152) is adapted to couple the input signal with a multiplex of N optical carriers, the regenerator component (112, 152) being made of a material having an inhomogeneous line broadening such that there should be no interaction between the various channels involved, within the component.

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CPC (source: EP US)  
**H04B 10/299** (2013.01 - EP US); **H04J 14/0221** (2013.01 - US)

Citation (examination)  
V.L. DA SILVA: "Automatic Gain Flattening in Optical Fiber Amplifiers Via Clamping of Inhomogeneous Gain", IEEE PHOTONICS TECHNOLOGY LETTERS, no. XP000368318, 1 April 1993 (1993-04-01), Piscataway, NJ, US, pages 412 - 414, XP000368318

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