

Title (en)  
OPTICAL TRANSMITTER COMPRISING A STEPWISE TUNABLE LASER

Title (de)  
SCHRITTWEISER ABSTIMMBARER OPTISCHER SENDER

Title (fr)  
EMETTEUR OPTIQUE COMPRENANT UN LASER A REGLAGE PROGRESSIF

Publication  
**EP 1364432 A2 20031126 (EN)**

Application  
**EP 01973387 A 20010921**

Priority  
• US 0129706 W 20010921  
• US 66890500 A 20000922  
• US 93084101 A 20010815

Abstract (en)  
[origin: WO0225782A2] A laser, useful as part of a multiple wavelength optical fiber transmitter, includes a single mode, multiple quantum well semiconductor amplifying mirror as a gain element an includes a second mirror to form an optical cavity, the length of which defines a sequence of optical modes. The gain element has an arrangement for tuning the laser from one mode to another by altering a temperature of the amplifying mirror.

IPC 1-7  
**H01S 5/14**; **H01S 5/183**; **H01S 5/022**

IPC 8 full level  
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CPC (source: EP)  
**H01S 5/02253** (2021.01); **H01S 5/141** (2013.01); **H01S 5/18375** (2013.01); **H01S 3/1062** (2013.01); **H01S 5/0215** (2013.01); **H01S 5/02415** (2013.01); **H01S 5/041** (2013.01); **H01S 5/0612** (2013.01); **H01S 5/0617** (2013.01); **H01S 5/0687** (2013.01); **H01S 5/18377** (2013.01)

Citation (search report)  
See references of WO 0225782A2

Cited by  
US9312662B1; US9728933B2

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**WO 0225782 A2 20020328**; **WO 0225782 A3 20030925**; AU 9297301 A 20020402; EP 1364432 A2 20031126

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