

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
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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.

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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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