

Title (en)

Optical multiplexing module and method of correcting optical axis thereof

Title (de)

Optisches Multiplexer-Modul und Methode der Korrektur der optischen Achse des Moduls

Title (fr)

Module de multiplexage optique et méthode de correction de ses axes optiques

Publication

EP 1182476 B8 20090218 (EN)

Application

EP 01119834 A 20010816

Priority

- JP 2000249627 A 20000821
- JP 2000249628 A 20000821
- JP 2001185811 A 20010620

Abstract (en)

[origin: EP1182476A1] An optical multiplexing module 10 is disclosed, which is easier in adjustment of an optical axis, has an optical multiplexing element 34 and a prism 32 to change optical paths of input light. The module also has one or more input collimators 14, 16 at the input-side end thereof and a single output collimator 18 at the output-side end thereof. The optical axes of the collimators 14, 16, 18 are adjustable by optical axis adjusting means. Further, according to a method of correcting the optical axes, after fabricating the collimators 14, 16, 18 into the module 10, with an optical loss between optical parts monitored, an external force is applied in turn to a plurality of arbitrary locations around a joint portion of one optical part. This application allows a hit location 70 showing a maximum reduction in optical loss to be found out. Radiating a laser beam onto an opposite-side location 80 on the joint portion to the hit location 70 leads to an easier correction of displacements of the optical axis with ease. <IMAGE>

IPC 8 full level

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CPC (source: EP US)

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Cited by

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