

OPTICAL-AXIS ALIGNMENT METHOD, OPTICAL-AXIS ALIGNMENT
DEVICE, INSPECTION METHOD OF OPTICAL DEVICES, INSPECTION
DEVICE OF OPTICAL DEVICES, METHOD OF PRODUCING OPTICAL
MODULE, AND APPARATUS OF PRODUCING OPTICAL MODULE

5

ABSTRACT

Alignment between an optical fiber and a laser diode is carried out by the steps of fixing a position sensitive detector and an optical fiber on a common supporting device, arranging a position sensitive detector opposite the laser diode, measuring the converging point of the light beams from the laser, calculating the
10 difference between the converging point and the optical fiber, displacing the optical fiber relative to the laser diode by the calculated difference for harmonizing the converging point with the center of the optical fiber within a tolerance, moving minutely the optical fiber with the laser in the direction for increasing the light power emitted from the other end of the optical fiber and fixing the optical fiber at the point
15 which gives the maximum power to the optical fiber.

This Sheet Has Been Replaced

