

ABSTRACT OF THE DISCLOSURE

TRAVERSE DRIVING DEVICE FOR CONTROLLING DISPLACEMENT
OF LASER BEAM IRRADIATED ONTO OPTICAL DISC

A device for controlling displacement of a laser beam irradiated onto an optical disc (1), comprises a displacement detection means (11) for detecting a displacement of the tracking actuator (2a) to output a displacement detection value; a controller (15) which controls the actuator to move from the neutral position thereof in a radial direction of the disc, obtains, as a set value, displacement detection value corresponding to actuator's position when a optical spot traverses a predetermined number of information tracks; and a storage means (13) for storing the obtained set value. During data recording and reproducing operation, the controller compares the displacement detection value from the displacement detecting means with the set value stored in the storage means, and starts driving a traverse means (18) for moving an optical pickup (2) when the displacement detection value is beyond the set value.

Fig. 1