

# Inspection Device for Optical Pickup and Method for Detecting Sensitivity of Focussing Actuator

## ABSTRACT

The sensitivity of a focussing actuator is to be measured easily without using an external measurement device. A position control circuit 8 controls the position of an optical pickup 2 facing a first light reflecting portion 3a or a second light reflecting portion 3b by displacing an optical pickup 2 in a direction perpendicular to the optical axis direction so that the focussing point of the laser light converged by an objective lens 2c will be on the second light reflecting portion 3b from the first light reflecting portion 3a or on the second light reflecting portion 3b from the first light reflecting portion 3a. A calculation circuit 7 calculates the sensitivity of the focussing actuator based on a focussing actuator driving voltage derived from the reflected light of the laser light illuminated on the first light reflecting portion 3a, a focussing actuator driving voltage derived from the reflected light of the laser light illuminated on the second light reflecting portion 3b and on the distance d.

Fig. 1