DISC RECORDING AND/OR REPRODUCING APPARATUS AND OPTICAL PICKUP APPARATUS

ABSTRACT

An optical disc recording and/or reproducing apparatus includes a carrier mechanism, an optical pickup apparatus, a shutter and a moving mechanism. The carrier mechanism carriesa disc inside and outside the apparatus. The optical pickupapparatus radiates beams on a disc carried by the carriermechanism. The optical pickup apparatus is provided with an objective lens. The shutter exposes or closes the upper surface of the objective lens. The shutter is provided to the optical pickup apparatus so that the shutter can be moved between a first position for exposing the upper surface of the objective lens and a second position for closing the upper surface of the objective lens. The moving mechanism moves the shutter between the first position and the second position according to recording and/or reproducing operation.

Figure 2