OBJECTIVE LENS DRIVING DEVICE AND OPTICAL DISC APPARATUS

ABSTRACT OF THE DISCLOSURE

An objective lens driving device in which an objective lens is driven by a magnetic circuit having a focusing coil and a tracking coil. The objective lens driving device is provided with a biaxial movable body that is supported by a support shaft so as to be slidable in the axial direction of the support shaft and rotatable about the support shaft, an objective lens held by the biaxial movable body, a plurality of focusing coils that are provided on the biaxial movable body so as to be symmetrical with respect to the support shaft, a tracking coil or coils that are provided on the biaxial movable body in a number that is smaller than the number of focusing coils, and magnets that are opposed to the focusing coils and the tracking coil or coils, respectively. A plurality of first magnetic circuits are formed by the focusing coils and part of the magnets that are opposed to the respective focusing coils. A second magnetic circuit or circuits are formed by the tracking coil or coils and the other magnet or magnets that are opposed to the tracking coil or coils, respectively, in a number that is smaller than the number of first magnetic circuits. This configuration enables miniaturization of the main body.

Fig. 5