LENS MOVING APPARATUS (NOT USING YOKE BRIDGE)

ABSTRACT OF THE DISCLOSURE

A lens moving apparatus of the present invention used in an optical pickup of, for example, an optical recording/reproducing system. The apparatus includes a moving assembly holding an objective lens and provided with a coil bobbin, elastic supporting devices which support the moving assembly along the focusing dimension and the tracking dimension, focusing coils and tracking coils wound on the coil bobbin, and a magnetic circuit formed by a yoke and a magnet. The center of gravity of the moving assembly is positioned so that the product of the distance from an effective section of the focusing coil to the center of gravity of the moving assembly and the force produced at the effective section is about equal to the product of the distance from a noneffective section of the focusing coil to the center of gravity of the moving assembly and the force produced at the noneffective section.

Figure 3