

ABSTRACT OF THE DISCLOSURE**OPTICAL PICKUP**

An optical pickup includes: a rotary block installed in a fixed base to be rotatable; a holder integrally coupled to the rotary block; a bobbin supported by a predetermined wire of the holder to be movable; a base plate fixed to the fixed base and placed between the rotary block and the bobbin; an objective lens mounted in the bobbin, for focusing an incident light to form a spot of light on a recording medium; a focusing coil and tracking coils installed in the bobbin, serving as a current flow path for focusing and tracking operations; first magnets and first inner and outer yokes installed in the base plate, facing the focusing coil and the tracking coils, for producing magnetic fields perpendicular to the current flowing through the focusing coil and the tracking coils to produce an electromagnetic force for driving the bobbin; a fixed optical system for irradiating light toward the recording medium and receiving the light reflected by the recording medium and then passed through the objective lens; a reflecting mirror for changing the traveling path of the incident light, the reflecting mirror installed in the rotary block to be arranged between the objective lens and the fixed optical system; tilt coils serving as a current flow path, the tilt coils installed at both sides of the rotary block; and second magnets and second inner and outer yokes installed facing the tilt coils, for producing magnetic fields perpendicular to the current flowing through the tilt coils to produce an electromagnetic force for rotating the rotary block. Therefore, the tilt of the optical axis of the light incident onto and reflected by an optical disk through the reflecting mirror and the objective lens can be adjusted according to the tilt of the recording medium, such that the light is perpendicularly incident onto and reflected by the recording medium all the times.

FIG. 18

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