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(54) Title: INERTIA RING FOR IMPROVED ROTATIONAL VIBRATION PERFORMANCE**(57) Abstract**

A disc drive includes a base and a disc rotatably attached to the base. The disc drive also includes an actuator assembly rotatably attached to said base and a device for moving the actuator assembly. A cover is attached to the base. The combination of the cover and base form a disc enclosure for enclosing the disc the actuator assembly and the device for moving the actuator assembly. An inertia ring is attached to the disc enclosure for increasing the moment of inertia of the base and cover. The inertia ring may be attached to the cover or to the base. The inertia ring may be formed of a material which is more dense than the cover or more dense than the base. The inertia ring may also be formed integral with the base or the cover. The inertia ring may also be formed such that the material is positioned near the periphery of the base and attached cover. A damped interface between the inertia ring and the base or cover may further reduce movement of the base with respect to the actuator.

