This Sheet Has Been Replaced



Abstract

A magnetic recording disk drive includes a bidirectional rotary inertial lock to reliably lock the actuator in the parked position. The lock engages the actuator even in the presence of a rotational acceleration tending to drive the actuator into its crash stop. In the preferred embodiment, the rotary inertial lock includes a flexible latch arm that is also driven into a stop in the presence of the same acceleration, but rebounds to engage the actuator on its rebound from its crash stop.