

ELECTROSTATIC DISCHARGE APPARATUS FOR HUB AND SPINDLE ASSEMBLIES

ABSTRACT OF THE DISCLOSURE

An electrostatic discharge apparatus for use with a hub and spindle assembly for a disc drive storage system comprising a spindle; a hub rotatably mounted on the spindle; a capsule formed at least in part from an electrically conductive material that can be placed in electrical communication with the hub and defining a chamber configured to hold an electrically conductive fluid and defining at least one capillary channel in fluid communication with an opening formed in the capsule, the opening configured to permit rotation about the spindle, and to permit a meniscus formed by the conductive fluid proximate to the opening to electrically contact the spindle during rotation of the hub about the spindle.

FIGURE 6