MULTIPLE ZONE DATA STORAGE SYSTEM AND METHOD

Abstract

A data storage system (10) has a disk (12) having a first, second and third zone. The first zone (100) has rough texturing to prevent stiction between a slider at rest and the disk. The second zone (102) has intermediate texturing to prevent stiction when a moving slider is in contact with the disk. The third zone (104) has a smooth texture and is used for data recording. A control unit (50, 56) moves the slider (30) between the zones as appropriate on power up and power down of the system. The bias device (154) allows the slider to be positioned between the first and second zones by selective energizing of the actuator (36) while in the latched position.

Figure 1