ABSTRACT

A ROTARY ACTUATOR HEAD POSITIONING APPARATUS AND DUAL PIVOT APPARATUS FOR A DISK DRIVE

A rotary actuator head positioning apparatus is located within a housing of a disk drive. The positioning apparatus comprises an elongate arm assembly (32) extending along the side of a disk (14) for positioning a transducer (18). A transducer mounting arm (38) extends to one side of the arm assembly (32) and over the disk. The arm assembly is movable in the housing in a plane parallel to the disk for positioning the transducer relative to the disk. One end of the arm assembly (32) is supported by a support (22) at an axially fixed pivot (35) which lies on a long axis (65) of the arm assembly. A motor, mounted in the housing, is coupled to a driven end of the arm assembly (32) distal from the support (22). A pivot arm (52) is pivotally connected to the support (22) for holding the arm assembly (32) so that it pivots in a fixed plane. A pre-load spring (56) biases the arm assembly (32) so that the driven end of the arm assembly is held in driving relationship with the motor.

[Figure 1]

This Sheet Has Been Replaced

