

ABSTRACT**PIVOT MECHANISM FOR A ROTARY ACTUATOR**

A pivot mechanism (120;120A;120B) for a rotary actuator in a disc drive data storage device (10) comprising a pivot shaft (122) having a shoulder (152) near one end thereof, the pivot shaft disposed in a central bore (134) of an actuator body (128) having a medially disposed narrow section (136) spatially separating upper and lower bearing assemblies (124,126) supported on the pivot shaft. Tolerance rings (110) are disposed between the bearing assemblies and the actuator body, and a preloading resilient member (130) biases the bearing assemblies to abut against the narrow section and the shoulder on the pivot shaft. Preferably, adhesive bonds the upper bearing assembly (154) to the pivot shaft once preloading is achieved.

Fig. 5

This Sheet Has Been Replaced

