



MAGNETIC RECORDING DEVICE

Abstract

The invention relates to a magnetic recording data storage device which can operate effectively at high rotational speeds. The magnetic recording device of the present invention comprises (a) a magnetic recording disk (2), (b) a spindle motor (4), (c) a head (8) supported on an air bearing carrier (10), and (d) an actuator (12) connected to the head carrier for moving the head across the rotating disk. The spindle motor comprises ball bearings lubricated by a grease comprising a polymeric amine and bis or tris (alkyl phenyl) phosphate. The grease improves rotational operation of the disk drive.

Fig 1