

ABSTRACT OF THE DISCLOSURE

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A spindle motor comprises a bracket and a hub that rotates relative to the bracket. A disc mounting portion is integrally formed with the hub, and a magnet is fixed on the lower portion of the disc supporting portion via a yoke and a stator is disposed to oppose the magnet. The hub includes a protrusion for absorbing the thermal stress between the hub and the yoke which is caused by the internal temperature raises of the hard disc drive unit. The thermal stress is absorbed by the elastic deformation of the protrusion. A gap is provided by the spacer member between the hub and the yoke to absorb the thermal expansion of the hub and thereby prevent the hub, particularly the disc supporting portion, from being thermally deformed. Thus, hard disc devices according to the present invention is free from inappropriate reading and/or writing of the data due to abnormal rotation of the discs mounted on the disc supporting portion of the motor.

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