

MOTOR FOR ROTATING A DISK-SHAPED INFORMATION RECORDING MEDIUM FOR A DISK DRIVE APPARATUS

ABSTRACT OF THE DISCLOSURE

A motor for rotating a disk-shaped information recording medium for a disk drive apparatus which is capable of rotating a higher-capacity information recording medium and a relatively lower-capacity recording medium at different speeds. This motor includes a stator; a rotor that rotates with respect to the stator with a shaft as the center of rotation when a drive winding is energized; a bearing that is provided on the side of the stator and rotatably supports the shaft of the rotor; a dynamic pressure generation section for generating dynamic pressure by filling a fluid between the bearing and the shaft when the shaft is rotated above a predetermined speed; a judging member for judging whether the disk-shaped information recording medium that is attached to the rotor is a relatively lower-capacity medium or a higher-capacity medium; and a control section for supplying the drive winding of the stator with a drive signal for a first rotation speed when a judgment signal produced by the judging member indicates the relatively lower-capacity medium, and with a drive signal for a second rotation speed that is higher than the first rotation speed when the judgment signal indicates the higher-capacity medium.

Fig. 1