DISK DRIVE HAVING OPTIMIZED SPINDLE SPEED FOR ENVIRONMENT

ABSTRACT

A disk storage device in which two or more discrete disk velocities are used is disclosed. The disk velocity is selected using operating environmental conditions. Various types of sensors (214) may be used to detect the environmental conditions or the environmental conditions may be input by a user. The allocation of track locations on a disk (200) into zones reduces the number of zone bit frequencies the storage device must handle when multiple frequency zones are used in connection with the various spindle speeds.

Fig. 2