

ABSTRACT

TILTED MEDIA FOR HARD DISK DRIVE

5 A digital storage medium for use in data storage devices has two magnetic layers where the respective easy axis of the magnetic moments in the two layers are perpendicular to each other. The exchange coupling of the magnetic moments in the magnetic layers produces a resultant magnetic moment which is titled out of plane of the digital storage medium. The resultant magnetic moment of the medium allows the use of either a ring head, a single pole head or a head tilted at an angle for write operations.

(Fig. 1)