

ABSTRACT

MAGNETIC RECORDER

To provide a highly reliable, high-density large-capacity magnetic disk unit by preventing the occurrence of instable vibrations or local stress due to falling forward of a slider under action of a frictional force on the slider through sliding over a recording medium and actualizing a stable posture of the slider and a stable contact with the disk. For this purpose, the head support arm 10 comprises a second rigid portion 15 to which the slider 20 is attached, and a second deformable portion 14, a first rigid portion 13, a first deformable portion 12 and an attachment portion 11 to the guide arm connected in order upstream of the second rigid portion 15 in the moving direction of a recording medium. In a state of a predetermined urging load imposed on the slider, an intersection of an extension of a virtual line connecting the first deformable portion and the second deformable portion and the recording medium surface lies upstream of a sliding point of the slider over the recording medium in the moving direction of the recording medium. Under action of a frictional force, the second deformable portion 14 is displaced in the departing direction from the disk while the head support arm is stretched in the sliding direction as a whole, and the whole arm also is displaced in the departing direction from the disk. The urging load is reduced and the slider sliding part on the inflow side is displaced in the departing direction from the disk, so that falling forward does not take place.

(Figure 1)