MAGNETIC HEAD

ABSTRACT

The present invention is directed to stabilize the flying height at a constant level and prevent head crashes.

Indented portions (104 and 105) are formed shorter than rail portions (101 and 102). Rear rail surfaces (113) and front rail surfaces (112) are formed at the slider (1) with middle rail surfaces (111) formed between them. The rear rail surfaces (113) and the front rail surfaces (112) each include a first surface (L1) whose surface width is determined by the entire width (W01 or W02) of the rail portion (101 or 102) and a second surface (L3) whose surface width is gradually reduced starting from the surfaces width (W01 or W02) of the first surface (L1) toward the surface width (W11 or W12) of the middle rail surfaces (111). The requirements, i.e., $L1 \leqq 2.5\%$ of L0 and $L1 < L2 \leqq 15\%$ of L0 are satisfied for the length (L1) of the first surfaces (L1), the length (L2), that includes the first surfaces (L1) and the second surfaces (L3) and the entire length (L0) of the rail portions (101 and 102).

FIG. 1

This Sheet Has Been Replaced

