THIN FILM MAGNETIC HEAD

ABSTRACT

A slider (1) is provided with air bearing surfaces (13 and 14) at the side that faces opposite the medium. Inductive thin film magnetic conversion elements (2) are each provided with pole tips (P1 and P2) which emerge at the air bearing surfaces (13 and 14). The width (W0) of the pole tips (P1 and P2) in the direction (b1) of the tracks, which is perpendicular to the direction (a1) of the movement of the medium, is essentially defined by grooves (4 and 5) formed at the air bearing surface (13 and 14). The grooves (4 and 5) gradually become shallower along the direction (a1) of the movement of the medium until their bottom surfaces reach the level of the air bearing surfaces (13 and 14).

Fig. 2