MAGNETIC TRANSDUCER ELEMENT AND THIN FILM MAGNETIC HEAD

ABSTRACT

The present invention is directed to a magnetic transducer element with outstanding productivity, with which the track width can be defined to a high degree of accuracy and required magnetic characteristics can be reliably imposed upon the central active area. Laminated films (111 to 113) which generate a magnetoresistance effect, a magnetic domain control film (114), which applies a magnetic bias to the laminated films (111 to 113) and a pair of lead conductor films (21, 22) are provided. The laminated films (111 to 113) and the magnetic domain control film (114) are laminated to each other to constitute a central active area (1). The lead conductor films (21, 22) terminate the side end surfaces of the central active area (1) at the two sides in direction (X) running at a right angle to direction (Y) of the lamination of the central active area (1).

FIG. 1