

ABSTRACT OF THE DISCLOSURE**MAGNETIC HEAD WITH SPIN VALVE EFFECT MAGNETORESISTIVE ELEMENT AND ITS MANUFACTURING METHOD**

A magnetic head with a spin valve effect MR element and a method of manufacturing the head. A plurality of spin valve effect MR elements on a substrate are formed, a plurality of pairs of lead conductors connected with the respective spin valve effect MR elements on the substrate are formed, and then a plurality of protection circuits of magnetization inversion connected between the respective pairs of lead conductors on the substrate are formed. Each of the protection circuits is constituted so as to turn on when it receives an energy with a level at which the pinned direction inversion in each of the spin valve effect MR elements occurs.

This Sheet Has Been Replaced



THIS SHEET HAS BEEN
REPLACED