

COMBINED TYPE THIN FILM MAGNETIC HEAD

ABSTRACT

An MR element (200) and an inductive element (300) are provided. The MR element (200) is provided with a first magnetic shield film (400) and a second magnetic shield film (311) on the two sides of a magnetoresistive film (210). A first magnetic film (312) of the inductive element (300) and the second magnetic shield film (311) are separated from each other by a non-magnetic film (313). The non-magnetic film (313) induces magnetic coupling between the second magnetic shield film (311) and the first magnetic film (312). The width (W1) of the first pole portion (P1) of the first magnetic film (312) is smaller than the width of the second magnetic shield film (311) and the saturation magnetization of the first magnetic film (312) is higher than the saturation magnetization of the second magnetic shield film (311).

Fig. 1

This Sheet Has Been Replaced

