

CRACK RESISTANT MAGNETIC WRITE HEAD

ABSTRACT

The front edge of the insulation layer (122) that defines the zero throat height (ZTH) is selectively reconfigured so as to increase the volume of the overcoat (110) layer which interfaces with the reconfigured edge. The front edge of the ZTH-defining insulation layer (122) has a central portion (124) which is centered with respect to the second pole tip and first and second lateral portions (126, 128) which are on each side of the front portion and parallel to the ABS. The front edge portion is recessed from the ABS a distance appropriate for defining the ZTH between the first and second pole pieces of the write head. The first and second lateral edges are further recessed into the head so as to increase the volume of the overcoat layer between the ABS and the first and second lateral edges.

Figs. 9 - 13

THIS SHEET HAS BEEN
REPLACED

This Sheet Has Been Replaced

