INDUCTIVE WRITE HEAD WITH INSULATION STACK CONFIGURED FOR ELIMINATING REFLECTIVE NOTCHING

ABSTRACT

The present invention employs a ZTH defining insulation layer (154) with a relatively long flat region along with a scheme for eliminating reflective notching from the next insulation layer (156) on top of the ZTH defining insulation layer. This has been accomplished by providing the next insulation layer (156) with a plurality of sloping surfaces (180, 182, 184 and 186) which are oriented so that light reflected by the sloping surfaces (180, 182, 184 and 186) is directed to areas remote from a pattern of a second pole tip (168) in a photoresist layer which is employed for fabricating the second pole tip (168). The sloping surfaces terminate at a non-linear front edge which may include a plurality of straight edges (190, 192, 194, 200 and 202) extending in predetermined directions. The directions of these straight edges will define the orientations of the sloping surfaces. In one embodiment the straight edges may all be non-parallel and non-perpendicular to the ABS.

Figs. 11 - 15

This Sheet Has Been Replaced

