## ABSTRACT

### AMORPHOUS DIAMOND-LIKE CARBON GAPS IN MAGNETORESISTIVE HEADS

An assembly comprises a magnetoresistive element (16), a thermally conductive member or magnetic film (18, 26), and a film of thermally conductive, high electrical resistivity amorphous diamond-like carbon (14,22) sandwiched between magnetoresistive element and the thermaly conducive member.In an MR head (12), at least one of the half-gaps of the MR head is fabricated of the amorphous diamond-like carbon film to dissipate heat from the MR elememt to the thermally conducive magnetic film (s) and shield the MR element from the magnetic film (s).

FIG. 1


This Sheet Has Been Replaced

