

ULTRATHIN SILICON WEAR COATING FOR THIN FILM MAGNETIC HEAD

ABSTRACT

A single layer wear coating is provided for in a magnetic head assembly. The single layer is silicon or silicon-based material with a thickness in the range of 30-75 Å. The single layer may be formed by a single step of deposition employing a DC magnetron. The single layer wear coating improves the wear performance of the magnetic head assembly and protects one or more sensitive elements of a magnetic head without significant reduction of spacing loss.

Fig. 3