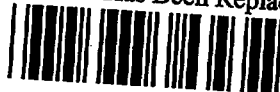


ABSTRACT**MAGNETIC HEAD, METHOD OF MANUFACTURING SAME, AND
MAGNETIC DISK APPARATUS**

A magnetic head with an air bearing surface to which an appropriate roughness, a method of manufacturing the same, and a magnetic disk apparatus are provided. A head core part is formed on a base body made of altic formed by dispersing grain titanium carbide into alumina, and then an air bearing surface is formed. Next, plasma oxidation is performed so that a number of protrusions with height of about 5 nm are selectively formed only on the base-body region of the air bearing surface. The protrusions are composed of titanium oxide formed by the exposed portion among titanium carbide grains on the air bearing surface being selectively oxidized. Growth of the protrusions is promoted by applying photoresist on the ABS and removing it before performing plasma oxidation. The magnetic head has no risk of adsorbing a recording medium so that it has excellent CSS.

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