**HEAD STACK ASSEMBLY, MANUFACTURING METHOD THEREOF AND MULTI-DISC MAGNETIC STORAGE DEVICE**

Abstract

[Problem] To provide a head stack assembly and a manufacturing method thereof in which manufacturing costs as a multi-disc magnetic device are reduced by increasing the yield and reducing inventory of magnetic heads which can be assembled to the head stack assembly.

[Means for Resolution] A head stack assembly and a manufacturing method thereof including plural actuator arms A1 to A4 to which magnetic heads H are assembled through suspensions S, which is characterized in that the tolerance of the core width or the write element width of magnetic heads Hb1, Hb2 assembled to inside actuator arms A2, A3 in the plural actuator arms is set to be narrower than the tolerance of the core width or the write element width of magnetic heads Hs1, Hb2 assembled to the outside actuator arms A1, A4.

**(FIG. 2)**