Title (en)

AMORPHOUS ALLOY FOR MAGNETIC HEAD AND MAGNETIC HEAD WITH AN AMORPHOUS ALLOY

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Application

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Priority

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Abstract (en)

[origin: EP0121046A2] An amorphous alloy for a magnetic head has a composition which may be represented as Co100-T-X-Y-ZNiTHfXBYSiZ or Co100-T min -X-Y-ZReT min HfXBYSiZ, where T, T min , X, Y and Z satisfy the conditions of 0.75 </=T</=14, 0.2</=T min </=1.5, 6</=X</=15, 3</=Y</=8 and 0</=Z</=0.01. Such an amorphous alloy has a high crystallization temperature, said temperature being higher than 500 DEG C, and does not lower the effective magnetic permeability, even if gradual cooling is performed after heat treatment. A magnetic head having a core consisting of such an amorphous alloy is not deteriorated in its magnetic properties, even if the head is made by glass bonding.

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