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- Amorphous alloy for magnetic head and magnetic head with an amorphous alloy.
- 57) An amorphous alloy for a magnetic head has a composition which may be represented as

Co100-T-X-Y-ZNiTHfXBYSiz or Co100-T'-X-Y-ZReT'HfXBYSiz,

where T, T' X, Y and Z satisfy the conditions of $0.75 \le T \le 14$, $0.2 \le T' \le 1.5$, $6 \le X \le 15$, $3 \le Y \le 8$ and $0 \le Z \le 0.01$. Such an amorphous alloy has a high crystallization temperature, said temperature being higher than 500°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.



EUROPEAN SEARCH REPORT

Application number

EP 84 10 0955

Category		h indication, where appropriate, ant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Ci. 3)
P,X	EP-A-O 081 239 ELECTRIC INDUSTR:		1,2,5- 8,11, 12	H 01 F 1/14 G 11 B 5/16 C 22 C 1/00
A	WO-A-8 100 861 LTD.) * Abstract *	- (HITACHI METALS	1	
A	EP-A-0 021 101 GmbH)	- (VACUUM SCHMELZE		
				
				TECHNICAL FIELDS SEARCHED (Int. CI. 2)
				H 01 F G 11 B C 22 C
	The present search report has b	een drawn up for all claims		
THE HAGUE		Date of completion of the search 25-08-1986	ch VAN	DEN ^E BUICKE E.
Y:pa de A:te	CATEGORY OF CITED DOCL articularly relevant if taken alone articularly relevant if combined w ocument of the same category chnological background on-written disclosure	after th ith another D: docum	or principle under patent document, e filing date ent cited in the ap ent cited for other	lying the invention but published on, or plication reasons