

Title (en)  
Magnetic core and method of producing same.

Title (de)  
Magnetkern und Verfahren zur Herstellung.

Title (fr)  
Noyau magnétique et procédé pour sa fabrication.

Publication  
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Application  
**EP 88111364 A 19880714**

Priority  

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- JP 17567387 A 19870714
- JP 18834487 A 19870728
- JP 18834587 A 19870728

Abstract (en)  
A magnetic core made of an Fe-base soft magnetic alloy consisting essentially of Fe, Cu and M wherein M is at least one of the elements, Nb, W, Ta, Zr, Hf, Ti and Mo, at least 50% of the alloy structure being occupied by fine crystalline particles, and the change ratio X of the effective permeability with time of said magnetic core being 0.3 or less, where X is defined by the following formula:  $X = 1 - \mu_b / \mu_a$  wherein  $\mu_a$  is the effective permeability at 1 kHz, and  $\mu_b$  is the effective permeability at 1 kHz after heating at 100 DEG C for 1000 hours in the air.

IPC 1-7  
**H01F 27/24**

IPC 8 full level  
**C22C 38/00** (2006.01); **C22C 45/02** (2006.01); **H01F 1/14** (2006.01); **H01F 1/153** (2006.01); **H01F 27/24** (2006.01); **H01F 38/42** (2006.01); **H01F 41/02** (2006.01)

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Citation (search report)  

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