

Title (en)

Low magnetostriction amorphous metal alloys.

Title (de)

Amorphe Legierungen von Metallen mit niedriger Magnetostraktion.

Title (fr)

Alliages de métal amorphes à magnétostriction basse.

Publication

EP 0161393 A1 19851121 (EN)

Application

EP 85101589 A 19811126

Priority

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Abstract (en)

A magnetic alloy that is at least 50 percent glassy, having the formula $(\text{Ni}_{0.5}\text{Co}_{0.5-x}\text{T}_x)_{100-b}\text{Mb}$, where T is at least one of Mn, Cr and V, B is at least one of B, Si, P, C and Ge, x is less than 0.25, and b ranges from 17 to 22 atom percent, said alloy containing up to 2 atom percent of at least one of B, Si, P, C and Ge, having a value of magnetostriction of about $-8 \times 10^{-3/4}$ to $+2 \times 10^{-6}$ and a saturation induction of about 0.3 to 0.8T.

IPC 1-7

C22C 19/03; **C22C 19/05**; **H01F 1/14**

IPC 8 full level

C22C 45/04 (2006.01)

CPC (source: EP)

C22C 45/04 (2013.01)

Citation (search report)

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- US 4056411 A 19771101 - CHEN HO SOU, et al
- US 4081298 A 19780328 - MENDELSON LEWIS ISAAC, et al

Cited by

US9816166B2; US9863024B2; US11377720B2; US9957596B2; US9920410B2; US11905582B2; US9365916B2; US10000834B2; US10458008B2; US11371108B2; US9556504B2; US9863025B2; US9534283B2; US9920400B2

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