

Title (en)

An FeGaSi-based magnetic material with Ir as an additive.

Title (de)

Auf FeGaSi basiertes magnetisches Material mit Ir als Zusatz.

Title (fr)

Matériau magnétique à base de FeGaSi avec Ir comme additif.

Publication

EP 0522982 A2 19930113 (EN)

Application

EP 92420217 A 19920625

Priority

US 72406891 A 19910701

Abstract (en)

A magnetic material comprised of FeIrGaSi, containing Ir at a concentration of 1.0 to 4.0 atomic percent, has improved high-frequency permeability and wear resistance and an elevated Curie temperature. Furthermore, FeIrGaSi has a uniaxial anisotropy property of several Oersteds induced by magnetic annealing of sputtered FeIrGaSi in thin film form at temperatures between 350 and 600 DEG C. <IMAGE>

IPC 1-7

G11B 5/31; **H01F 10/14**; **H01F 41/18**; **H01F 41/22**

IPC 8 full level

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CPC (source: EP KR)

H01C 7/00 (2013.01 - KR); **H01F 10/14** (2013.01 - EP); **H01F 41/18** (2013.01 - EP); **H01F 41/22** (2013.01 - EP)

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DOCDB simple family (publication)

EP 0522982 A2 19930113; **EP 0522982 A3 19930512**; **EP 0522982 B1 19950329**; DE 69201836 D1 19950504; DE 69201836 T2 19951207; JP H05291038 A 19931105; KR 930003179 A 19930224

DOCDB simple family (application)

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