

Title (en)

Heating process with magnetic field of a soft magnetic component

Title (de)

Magnetfeld-Heizungsprozess eines weichmagnetischen Komponenten

Title (fr)

Procédé de traitement thermique sous champ magnétique d'un composant en matériau magnétique doux

Publication

EP 0883141 B1 20030528 (FR)

Application

EP 98401043 A 19980429

Priority

FR 9706849 A 19970604

Abstract (en)

[origin: EP0883141A1] A magnetisable material such as an iron-nickel-molybdenum 15-80-5 alloy, an amorphous cobalt-based alloy or an iron-silicon-copper-niobium-boron nanocrystalline alloy is heated below the Curie point. It is subjected to a magnetic field whose intensity is varied over time, following a series of peaks. The intensity is progressively increased to a maximum and thereafter decreased to a minimum. The field may be longitudinal, transverse, unidirectional, continuous or alternating.

IPC 1-7

H01F 1/14; **H01F 1/147**; **H01F 1/153**

IPC 8 full level

C21D 1/04 (2006.01); **C21D 10/00** (2006.01); **C22F 1/10** (2006.01); **C21D 6/00** (2006.01); **H01F 1/14** (2006.01); **H01F 1/147** (2006.01); **H01F 1/153** (2006.01)

CPC (source: EP US)

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