

Title (en)

Method and device for manufacturing articles for magnetic use.

Title (de)

Verfahren und Vorrichtung zum Herstellen von Gegenständen für magnetische Verwendung.

Title (fr)

Procédé et installation de réalisation de pièces à usage magnétique.

Publication

EP 0293286 A1 19881130 (FR)

Application

EP 88401220 A 19880519

Priority

FR 8707343 A 19870525

Abstract (en)

Method and device for manufacturing articles for magnetic use which are composed of a metal alloy taking the form of a continuous strip (3) from which the articles (33) are cut out, the alloy being subjected to a heat treatment comprising at least one annealing operation carried out in the presence of a magnetic field. <??>The annealing operation is divided into at least two successive phases, respectively a first initiation phase in the presence of a magnetic field, carried out on the move on the alloy in the form of a continuous strip (3), and a second ageing phase carried out on the separate articles (33) obtained from the strip (3) which has undergone the first initiation phase. <??>The invention makes it possible to produce articles in particular for the electrotechnical industry. <IMAGE>

IPC 1-7

H01F 41/02; **H01F 1/04**; **C21D 1/04**; **C21D 9/52**

IPC 8 full level

C21D 6/00 (2006.01); **C21D 1/04** (2006.01); **C21D 9/00** (2006.01); **C21D 9/52** (2006.01); **H01F 1/04** (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

- [Y] US 4093477 A 19780606 - IWATA MASAO, et al
- [Y] BE 692166 A 19670616
- [A] DE 2746785 A1 19790419 - WESTERN ELECTRIC CO
- [A] FR 2330474 A1 19770603 - MONSANTO CO [US]
- [A] DE 1226128 B 19661006 - WALZWERK NEVIGES G M B H
- [A] FR 1075890 A 19541020
- [A] US 4311537 A 19820119 - CHIN GILBERT Y, et al
- [A] FR 2334755 A1 19770708 - SUNDWIGER EISEN MASCHINEN [DE], et al
- [A] IEEE TRANSACTIONS ON MAGNETICS, vol. MAG-16, no. 3, mai 1980, pages 526-529, IEEE, New York, US; S. JIN et al.: "Low-cobalt Cr-Co-Fe magnet alloys obtained by slow cooling under magnetic field"

Cited by

FR2653265A1; US5366566A; WO9105880A1

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DOCDB simple family (application)

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