

Title (en)

PROCESS FOR THE MANUFACTURE OF A MAGNETIC SWITCH ELEMENT WHICH WILL DEMAGNETIZE FAST ALSO IN A SLOWLY CHANGING MAGNETIC FIELD

Publication

EP 0184637 A3 19880323 (DE)

Application

EP 85113068 A 19851015

Priority

DE 3440918 A 19841109

Abstract (en)

[origin: EP0184637A2] A process for the manufacture of a magnetic switch element is specified. A fine-crystalline structure is produced by short-term annealing of a cobalt-iron-vanadium alloy at 630 to 900 DEG C, which leads to pulse voltages of over 10 volts when subjected to a slowly changing field under tensional stress in a coil with 1000 windings. This property is reproducible so that inductively operating sensors can be manufactured, for example, for speed transmitters operating down to zero speed.

IPC 1-7

H01F 1/16; **C22F 1/00**; **C22F 1/02**

IPC 8 full level

C22F 1/00 (2006.01); **C22F 1/02** (2006.01); **C22F 1/10** (2006.01); **H01F 1/03** (2006.01); **H01F 1/16** (2006.01)

CPC (source: EP)

C22F 1/02 (2013.01); **C22F 1/10** (2013.01); **H01F 1/0304** (2013.01); **H01F 1/0306** (2013.01)

Citation (search report)

- [X] DE 1458521 A1 19681219 - WESTERN ELECTRIC CO
- [A] US 3422407 A 19690114 - GOULD HAROLD L B, et al
- [A] FR 2389986 A1 19781201 - ECHLIN MFG CO [US]
- [AD] PHYSIKALISCHE ZEITSCHRIFT, Band XXXIII, 1932, Seiten 913-923, S. Hirzel, Leipzig, DE; F. PREISACH: "Permeabilität und Hysterese bei Magnetisierung in der energetischen Vorzugsrichtung"

Cited by

EP0710963A1; US5707753A

Designated contracting state (EPC)

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