

Title (en)

Wound iron core.

Title (de)

Gewickelter Eisenkern.

Title (fr)

Moyau de fer enroulé.

Publication

**EP 0086485 A2 19830824 (EN)**

Application

**EP 83101409 A 19830214**

Priority

JP 2234982 A 19820215

Abstract (en)

A wound iron core by winding a thin strip of a soft magnetic alloy into a triodal form, characterized in that a Cobase amorphous magnetic alloy is used as the thin strip and that the thin strip is annealed in a magnetic field in the direction of excitation, so that the core exhibits a rectangle ratio Br/B10 of 85% or higher in D.C. hysteresis curve. The Co-base amorphous magnetic alloy has a composition substantially expressed by: Co100-a-bXaYb where X represents one, two or more elements selected from a group consisting of Ti, V, Cr, Mn, Fe, Ni, Zr, Nb, Mo, Ru, Hf, Ta, W, Y, Ce, Pr, Nd, Sm, Eu, Gd, Tb and Dy, while Y represents one, two or more elements selected from a group consisting of B, C, Al, Si, P and Ge, and wherein the following conditions are met:  $0 \leq a \leq 15$  (atom%) and  $14 \leq b \leq 30$  (atom%).

IPC 1-7

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IPC 8 full level

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