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EUROPEAN PATENT APPLICATION

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⑤④ **Wound iron core.**

⑤⑦ A wound iron core formed by winding a thin strip of a soft magnetic alloy into a toroidal form, characterized in that a Co-base amorphous magnetic alloy is used as the thin strip and that the thin strip is annealed in a magnetic field so that the core exhibits a rectangle ratio B_r/B_{10} of 85% or higher in D.C. hysteresis curve. The Co-base amorphous magnetic alloy has a composition substantially expressed by $Co_{100-a-b}X_aY_b$ in which 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%).



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EUROPEAN SEARCH REPORT

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EP 83 10 1409

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
X	US-A-4 116 728 (J.J. BECKER et al.) * Claims 1,8; column 3, lines 7-60; column 7, lines 27-30; figure 8 *	1,2	H 01 F 1/16 H 01 F 3/04
A	DE-A-3 033 258 (MATSUSHITA ELECTRIC INDUSTRIAL CO.) * Claim 1; page 18, paragraph 4; page 31, table 3 *	1-3	
A	EP-A-0 005 836 (VACUUMSCHMELZE GmbH) * Claims 1,2,5,14 *	1-3	
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			H 01 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18-01-1985	Examiner DECANNIERE L. J.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

