

Title (en)
PRINTED COIL TRANSFORMER

Title (de)
TRANSFORMATOR MIT GEDRUCKTEN SPULEN

Title (fr)
TRANSFORMATEUR A BOBINES IMPRIMEES

Publication
EP 0716435 A4 19961120 (EN)

Application
EP 95921971 A 19950615

Priority

- JP 9501195 W 19950615
- JP 14770294 A 19940629

Abstract (en)
[origin: WO9600972A1] A flat transformer in which the central leg (33) of an EE-shaped core or EI-shaped core is provided at the center of the spiral of a laminated coil body which is formed by stacking spiral coils with an insulating resin to magnetically couple the spiral coils to each other. The cross-sectional area of the side legs (34) of the core is nearly equal to that of the connecting part (35) of the core, and the cross-sectional area (A_e) of the central leg (33) is nearly the double of that of the side leg (34). The cross-sectional area (A_e) and the volume (V_e) of the core meets the following inequalities: $1.4 \leq V_e / A_e \leq 1.7$. The interval (w) between the central leg (33) and side legs (34) and the height of the central leg (33) meet the following inequalities: $0.5 \leq h/w \leq 2$.

IPC 1-7
H01F 30/00

IPC 8 full level
H01F 17/00 (2006.01); **H01F 17/04** (2006.01)

CPC (source: EP)
H01F 17/0006 (2013.01); **H01F 17/04** (2013.01)

Citation (search report)

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- See references of WO 9600972A1

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Designated contracting state (EPC)
DE

DOCDB simple family (publication)
WO 9600972 A1 19960111; EP 0716435 A1 19960612; EP 0716435 A4 19961120; TW 436823 B 20010528

DOCDB simple family (application)
JP 9501195 W 19950615; EP 95921971 A 19950615; TW 84106066 A 19950614