Title (en)

MF transformer with improved heat dissipation

Title (de)

Induktives Bauteil mit optimierter Wärmeableitung

Title (fr)

Transformateur MF avec meilleure dissipation thermique

Publication

EP 1772877 B1 20091209 (DE)

Application

EP 06011057 A 20060530

Priority

DE 202005008757 U 20050602

Abstract (en)

[origin: EP1729310A1] A transformer has primary and secondary windings, and coil penetrations contained in a core. Coil penetrations of hermetically molded-in primary and secondary windings are electrically and thermally separated from each other with intermediate insulations. The cores are thermally and dielectrically insulated and are permanently fixed and held, without any gap, within the coil penetrations via ribbed-partial area/corner surfaces (28).

IPC 8 full level

H01F 27/00 (2006.01); **H01F 5/02** (2006.01); **H01F 41/12** (2006.01); **H05K 7/20** (2006.01)

CPC (source: EP)

H01F 27/324 (2013.01); **H01F 27/327** (2013.01); H01F 27/266 (2013.01)

Cited by

DE102011013684B4; DE102013105120B4; EP2684202A2; DE102013105120A1; EP4167255A1; DE202022105515U1; US11557428B2; EP2801987A1; DE102013208653A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1729310 A1 20061206; **EP 1729310 B1 20071219**; AT E381766 T1 20080115; AT E451703 T1 20091215; DE 202005008757 U1 20061012; DE 502006000228 D1 20080131; DE 502006005568 D1 20100121; DK 1729310 T3 20080505; DK 1772877 T3 20100426; EP 1772877 A1 20070411; EP 1772877 B1 20091209; ES 2299118 T3 20080516; ES 2337279 T3 20100422

DOCDB simple family (application)

EP 06010808 A 20060526; AT 06010808 T 20060526; AT 06011057 T 20060530; DE 202005008757 U 20050602; DE 502006000228 T 20060526; DE 502006005568 T 20060530; DK 06010808 T 20060526; DK 06011057 T 20060530; EP 06011057 A 20060530; ES 06010808 T 20060526; ES 06011057 T 20060530