

Title (en)

METHOD OF PRODUCING PLANAR TRANSFORMERS AND PLANAR TRANSFORMER THUS PRODUCED

Title (de)

VERFAHREN ZUR HERSTELLUNG VON PLANARTRANSFORMATOREN UND SO HERGESTELLTER PLANARTRANSFORMATOR

Title (fr)

PROCEDE DE FABRICATION DE TRANSFORMATEURS PLANAIRES ET TRANSFORMATEUR PLANAIRE FABRIQUE SELON LEDIT PROCEDE

Publication

EP 1536436 A1 20050601 (EN)

Application

EP 03761602 A 20030623

Priority

- ES 0300309 W 20030623
- ES 200201465 A 20020626

Abstract (en)

A process for the manufacture of planar transformers and planar transformer manufactured in accordance therewith. <??>The planar transformer comprises a sequence of windings in a stack comprising a variable number of printed circuit winding boards and copper windings, punched from sheet or windings, with interleaved insulating laminar members in contact with all the surfaces of the coils and of variable thickness to adjust the gaps between the windings, the windings being connected together by means of connecting pins fixed thereto and comprising a single block so that all the stacked laminar members may be embedded in a single mass of insulating resin which covers the assembly of stacked members externally and which is introduced into the horizontal gaps between the windings. <IMAGE>

IPC 1-7

H01F 27/30; **H01F 41/02**

IPC 8 full level

H01F 27/02 (2006.01); **H01F 27/28** (2006.01); **H01F 27/29** (2006.01); **H01F 27/32** (2006.01); **H01F 41/00** (2006.01)

CPC (source: EP)

H01F 27/022 (2013.01); **H01F 27/2804** (2013.01); **H01F 27/2847** (2013.01); **H01F 27/29** (2013.01); **H01F 27/324** (2013.01); **H01F 27/325** (2013.01); **H01F 27/327** (2013.01); **H01F 41/005** (2013.01); **H01F 2005/043** (2013.01); **H01F 2027/297** (2013.01)

Citation (search report)

See references of WO 2004003947A1

Cited by

EP2230676A3; CN113539638A; EP3370240A4; CN110444373A; EP4362051A1; EP2500918A1; US9196414B2; US9401243B2; DE102011075707A1; CN102791076A; EP2583288A4; US11152146B2; WO2014062357A1; WO2023232437A1; US8441331B2; US8516684B2; US9620278B2; US10236113B2; EP2230676A2; US8217749B2; US9449746B2; US10390876B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1536436 A1 20050601; **EP 1536436 B1 20170125**; AU 2003242793 A1 20040119; ES 2197830 A1 20040101; ES 2197830 B1 20050101; WO 2004003947 A1 20040108

DOCDB simple family (application)

EP 03761602 A 20030623; AU 2003242793 A 20030623; ES 0300309 W 20030623; ES 200201465 A 20020626