

Title (en)

SINGLE-PHASE TRANSFORMER HAVING WINDINGS ENCAPSULATED IN RESIN

Publication

**EP 0025951 B1 19840118 (DE)**

Application

**EP 80105468 A 19800912**

Priority

DE 2938792 A 19790925

Abstract (en)

[origin: US4349801A] Single-phase transformer, including windings being wound around an axis and cast in resin forming a cast resin body, the cast resin winding body having an outer surface and a rectangular window formed therein with sides disposed in given planes, a wound core formed of tape material extended through the window, two flanges being cast with and integral with the cast resin winding body on opposite sides thereof and parallel to the winding axis and to the window, the flanges having outer edges, mutually parallel inner surfaces substantially disposed in the plane of the narrow sides of the window and grooves formed in the inner surfaces in the vicinity of and parallel to the outer edges, an encapsulation for the wound core being anchored in the grooves, and a grounded metallization layer formed on the outer surface of the cast resin winding body at least immediately adjacent to the wound core.

IPC 1-7

**H01F 27/02**; **H01F 27/32**

IPC 8 full level

**H01F 27/28** (2006.01); **H01F 27/02** (2006.01); **H01F 27/32** (2006.01)

CPC (source: EP US)

**H01F 27/022** (2013.01 - EP US); **H01F 27/327** (2013.01 - EP US); **H01F 27/04** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

AT CH LI NL SE

DOCDB simple family (publication)

**EP 0025951 A1 19810401**; **EP 0025951 B1 19840118**; AT E5924 T1 19840215; BR 8006044 A 19810407; DE 2938792 A1 19810326; DE 2938792 C2 19830414; JP S5655021 A 19810515; US 4349801 A 19820914

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**EP 80105468 A 19800912**; AT 80105468 T 19800912; BR 8006044 A 19800922; DE 2938792 A 19790925; JP 13275480 A 19800924; US 18845480 A 19800918