

Title (en)

Dry-type resin-insulated transformer with shielded side-by-side primary windings

Title (de)

Trockenharzisolierter Transformator mit abgeschirmten nebeneinander liegenden Primärwindungen

Title (fr)

Transformateur à isolation en résine de type sèche avec enroulements primaires côte à côte isolés

Publication

EP 2075806 A1 20090701 (EN)

Application

EP 07425825 A 20071227

Priority

EP 07425825 A 20071227

Abstract (en)

A dry-type resin-insulated transformer comprising at least one primary winding (39) and one secondary winding (22, 23) arranged coaxially with each other, with the secondary internal to the primary, the windings being jointly encapsulated in a body (6) of insulating resin having the shape of a cylindrical annulus, wherein the outer cylindrical surface of the resin body (6) is covered with a first metal shield (32) in the form of a split cylinder, electrically grounded and formed of a metal mesh incorporated in the resin of the insulating body and stiffened by upper and lower inwardly folded rims and two outwardly folded axial juxtaposed edges (35,36), whereas a second grounded shield (28) is formed of a metal mesh wrapped around the outer cylindrical surface of the secondary winding (23).

IPC 8 full level

H01F 27/28 (2006.01); **H01F 27/32** (2006.01); **H01F 27/36** (2006.01)

CPC (source: EP US)

H01F 27/2885 (2013.01 - EP); **H01F 27/327** (2013.01 - EP); **H01F 27/36** (2013.01 - EP); **H01F 27/363** (2020.08 - EP US);
H01F 2027/328 (2013.01 - EP)

Citation (applicant)

- WO 0108175 A1 20010201 - SIEMENS LTDA [BR], et al
- FR 2784787 A1 20000421 - FRANCE TRANSFO SA [FR]
- JP S59207611 A 19841124 - FUJI DENKI SOGO KENKYUSHO KK
- EP 0923785 A1 19990623 - DU PONT [US], et al
- EP 0061608 A1 19821006 - SMIT TRANSFORMATOREN BV [NL]

Citation (search report)

- [DA] EP 0061608 A1 19821006 - SMIT TRANSFORMATOREN BV [NL]
- [A] WO 2006103193 A2 20061005 - SIEMENS AG [DE], et al
- [A] DE 1258966 B 19680118 - MAY & CHRISTE GES MIT BESCHRAE
- [A] US 4663603 A 19870505 - VAN RIEMSDIJK GERARDUS A [NL], et al
- [A] GB 315372 A 19300410 - BRITISH THOMSON HOUSTON CO LTD

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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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2075806 A1 20090701

DOCDB simple family (application)

EP 07425825 A 20071227