

Title (en)
Dry transformer coil and dry transformer

Title (de)
Trockentransformatorspule und Trockentransformator

Title (fr)
Bobine de transformateur à sec et transformateur à sec

Publication
EP 2869313 B1 20170531 (DE)

Application
EP 13005136 A 20131029

Priority
EP 13005136 A 20131029

Abstract (en)
[origin: WO2015062838A1] The invention relates to a dry-type transformer coil (10, 32, 34, 36, 52, 54, 56), comprising a hollow cylindrical coil having at least one radial inner winding (12) and one radial outer winding (14). Provided on the radially outer surface of the coil is a barrier structure which runs around at least part of the circumference and extends at least over the axial length of the coil, said barrier structure comprising at least one layer of strips (16) of an insulating material and at least one barrier wall (18) supported radially thereby, wherein the radially outermost barrier wall (18) comprises an electric shield (20, 42, 58, 60, 62). The invention also relates to a dry-type transformer, comprising a transformer core having at least two core legs, wherein there is arranged around each of the at least two core legs (26) a dry-type transformer coil (10, 32, 34, 36, 52, 54, 56) according to the invention, the respective electric shield (20, 42, 58, 60, 62) of which is connected to ground potential (24, 44, 64).

IPC 8 full level
H01F 27/36 (2006.01); **H01F 27/38** (2006.01); **H01F 30/12** (2006.01)

CPC (source: EP US)
H01F 27/36 (2013.01 - EP); **H01F 27/363** (2020.08 - EP US); **H01F 27/38** (2013.01 - EP); **H01F 30/12** (2013.01 - EP)

Cited by
CN109215950A; EP3660874A1; WO2020108867A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2869313 A1 20150506; **EP 2869313 B1 20170531**; ES 2639111 T3 20171025; WO 2015062838 A1 20150507

DOCDB simple family (application)
EP 13005136 A 20131029; EP 2014071714 W 20141010; ES 13005136 T 20131029