

Title (en)
Dry type transformer

Title (de)
Trockentransformator

Title (fr)
Transformateur à sec

Publication
EP 2549495 B1 20180523 (DE)

Application
EP 11005855 A 20110718

Priority
EP 11005855 A 20110718

Abstract (en)
[origin: EP2549495A1] The transformer has transformer core, radially inner winding segment (34) and radially outer winding segment (32) wound around common winding axis. The hollow cylindrical cooling ducts (36,38) are formed between winding segments. The spacer elements (40,42) are arranged such that cooling ducts allows coolant passage in axial direction. The spacer elements are formed along duct radial circumference over axial length, such that proportionate weight of horizontal transformer is borne on contact surface (44) of winding segment (32) without causing deformation to cooling ducts.

IPC 8 full level
H01F 27/28 (2006.01); **H01F 27/02** (2006.01); **H01F 27/32** (2006.01)

CPC (source: EP US)
H01F 3/00 (2013.01 - US); **H01F 5/00** (2013.01 - US); **H01F 27/025** (2013.01 - EP US); **H01F 27/10** (2013.01 - US);
H01F 27/2876 (2013.01 - EP US); **H01F 27/322** (2013.01 - EP US); **H01F 27/327** (2013.01 - EP US); **H01F 2027/328** (2013.01 - EP US)

Cited by
CN104240929A; EP2827346A1; CN109346271A; EP3660874A1; EP3007189A1; RU2667081C1; WO2018055202A1; WO2020108867A1;
WO2015007432A1; US11062835B2; WO2016055235A1

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 2549495 A1 20130123; **EP 2549495 B1 20180523**; CN 103688322 A 20140326; CN 103688322 B 20160629; ES 2679821 T3 20180831;
US 2014132381 A1 20140515; US 9761366 B2 20170912; WO 2013010611 A1 20130124

DOCDB simple family (application)
EP 11005855 A 20110718; CN 201280035579 A 20120616; EP 2012002555 W 20120616; ES 11005855 T 20110718;
US 201414158084 A 20140117