Title (en)

TANK FOR LIQUID-FILLED TRANSFORMERS OR INDUCTORS

Title (de)

KESSEL FÜR FLÜSSIGKEITSGEFÜLLTE TRANSFORMATOREN ODER DROSSELN

Title (fr)

CUVE POUR TRANSFORMATEURS OU BOBINES D'ARRÊT REMPLIS DE LIQUIDE

Publication

EP 2856477 B1 20171018 (DE)

Application

EP 12725774 A 20120605

Priority

EP 2012060603 W 20120605

Abstract (en)

[origin: WO2013182227A1] Tank for a liquid-filled transformer or inductor, comprising: a) an outer tank casing (2) comprising a bottom part (3); b) an inner tank casing (5), enclosed by the outer tank casing (2) at a distance (4), wherein the outer tank casing (2) and the inner tank casing (5) are formed from metal; c) a plastic or polymer material (7), which is incorporated in an intermediate space (6), bounded by the inner surface (14) of the outer tank casing (2) and the inner surface (13) of the inner tank casing (5), and at least partially fills this intermediate space (6), wherein the plastic or polymer material and the adhesion thereof to the inner surfaces (13, 14) is designed such that d) shearing forces are transmitted between the inner and outer tank casings (2, 5) and that e) the transmission of structure-borne sound that is generated in the case of operation of an active part (10) arranged in the interior space (9) of the tank between the inner tank casing (5) and the outer tank casing (2) is inhibited.

IPC 8 full level

H01F 27/02 (2006.01); **H01F 27/12** (2006.01); **H01F 27/33** (2006.01)

CPC (source: EP KR)

H01F 27/025 (2013.01 - EP KR); **H01F 27/10** (2013.01 - KR); **H01F 27/12** (2013.01 - EP); **H01F 27/33** (2013.01 - EP KR)

Citation (examination)

US 2011168722 A1 20110714 - BAUDAT NED [US], et al

Cited by

EP3979275A1; EP4312236A1; US10840677B2; EP3195334B1; EP3321944B1

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)

WO 2013182227 A1 20131212; BR 112014030107 A2 20170627; BR 112014030107 B1 20200908; BR 112014030107 B8 20230425; CN 104335301 A 20150204; CN 104335301 B 20171031; EP 2856477 A1 20150408; EP 2856477 B1 20171018; IN 9796DEN2014 A 20150731; KR 101944967 B1 20190201; KR 20150023639 A 20150305; MX 2014014846 A 20150305; MX 336178 B 20160106

DOCDB simple family (application)

EP 2012060603 W 20120605; BR 112014030107 A 20120605; CN 201280073751 A 20120605; EP 12725774 A 20120605; IN 9796DEN2014 A 20141119; KR 20157000145 A 20120605; MX 2014014846 A 20120605