

Title (en)  
TRANSFORMER

Title (de)  
WANDLER

Title (fr)  
TRANSFORMATEUR

Publication  
**EP 2988310 B1 20180606 (EN)**

Application  
**EP 13882487 A 20130417**

Priority  
JP 2013061430 W 20130417

Abstract (en)  
[origin: EP2988310A1] In such transformers as oil-filled transformers, if the transformer is placed within a ship or a floating wind power tower, there is a possibility that displacement may occur to a coil or core within a tank of the transformer if swinging or tilting continue to be added to the transformer by effects of waves or the like. The present invention provides a transformer which can withstand the effects of such waves. The present invention is a transformer provided with cores, coils wound around the cores, an upper core fastener and a lower core fastener which fix the cores from respective top and a lower core fastener which fix the cores from respective top and bottom directions, and a tank which houses the same, wherein: on the upper core fastener are disposed anti-vibration metal fitting for a core coil assembly incorporating the cores and the coils; the anti-vibration metal fittings have notches; and projections of shapes mating at the notches of the anti-vibration metal fittings are disposed on the inner side of the tank.

IPC 8 full level  
**H01F 27/06** (2006.01); **H01F 30/00** (2006.01)

CPC (source: EP)  
**H01F 27/06** (2013.01); **H01F 27/266** (2013.01); **H01F 30/00** (2013.01)

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 2988310 A1 20160224; EP 2988310 A4 20161214; EP 2988310 B1 20180606**; CN 105051838 A 20151111; CN 105051838 B 20180206; DK 2988310 T3 20180820; JP 6499073 B2 20190410; JP WO2014170978 A1 20170216; TW 201442047 A 20141101; TW I501267 B 20150921; WO 2014170978 A1 20141023

DOCDB simple family (application)  
**EP 13882487 A 20130417**; CN 201380074975 A 20130417; DK 13882487 T 20130417; JP 2013061430 W 20130417; JP 2015512240 A 20130417; TW 102142112 A 20131119