

Title (en)
MOLDED TRANSFORMER

Title (de)
GEFORMTER TRANSFORMATOR

Title (fr)
TRANSFORMATEUR MOULÉ

Publication
EP 3176796 B1 20201021 (EN)

Application
EP 15828039 A 20150708

Priority
• JP 2014155788 A 20140731
• JP 2015069640 W 20150708

Abstract (en)
[origin: EP3176796A1] A molded transformer according to one embodiment of the present invention has a primary coil, and a secondary coil that is disposed inside the primary coil in a state in which a predetermined space is provided between them, wherein the primary and secondary coils are supported by a plurality of support structures. The plurality of support structures are provided between the ends of the primary and secondary coils and a frame, and each of the support structures comprises an insulator block and a wide insulating plate having a wider surface area than the bottom surface area of the insulator block. A top surface of the insulator block is abutted to the ends of the primary and secondary coils, and the wide insulating plate is disposed between the bottom surface of the insulator block and the frame.

IPC 8 full level
H01F 27/32 (2006.01); **H01F 27/30** (2006.01); **H01F 30/00** (2006.01); **H01F 30/12** (2006.01)

CPC (source: EP)
H01F 27/306 (2013.01); **H01F 27/324** (2013.01); **H01F 27/327** (2013.01); **H01F 30/12** (2013.01); **H01F 2027/328** (2013.01)

Cited by
EP3629349A1; EP3817015A1; WO2020064514A1; WO2021084112A1

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 3176796 A1 20170607; **EP 3176796 A4 20180411**; **EP 3176796 B1 20201021**; CN 106663526 A 20170510; CN 106663526 B 20180622; JP 6335305 B2 20180530; JP WO2016017381 A1 20170427; WO 2016017381 A1 20160204

DOCDB simple family (application)
EP 15828039 A 20150708; CN 201580038819 A 20150708; JP 2015069640 W 20150708; JP 2016538243 A 20150708