

Title (en)  
THREE-PHASE ROTARY MAGNETIC SHELL-TYPE TRANSFORMER WITH THREE MAGNETIC CORES

Title (de)  
DREIPHASIGER MAGNETMANTEL-DREHTRANSFORMATOR MIT DREI MAGNETKERNEN

Title (fr)  
TRANSFORMATEUR TOURNANT TRIPHASE CUIRASSE MAGNETIQUEMENT A TROIS NOYAUX MAGNETIQUES

Publication  
**EP 2847774 A1 20150318 (FR)**

Application  
**EP 13725417 A 20130503**

Priority  
• FR 1254298 A 20120510  
• FR 2013050987 W 20130503

Abstract (en)  
[origin: WO2013167830A1] The invention relates to a three-phase transformer (10) comprising a primary part (11; 12) and a secondary part (12; 11), the primary part (11) comprising a first body made from ferromagnetic material and primary windings, the secondary part (12) comprising a second body made from ferromagnetic material and secondary windings (28, 29a, 229c, 30, the first body defining a first annular slot (22) of axis A and a second annular slot (23) of axis A, the primary windings comprising a first toroidal winding (24) of axis A in the first slot (22), a second toroidal winding (27) of axis A in the second slot (23), and one or more third toroidal winding(s) (25a, 25d) connected in series, said third windings (25a, 25d) being wound around one of the legs, passing through the slots (35) in said leg.

IPC 8 full level  
**H01F 27/255** (2006.01); **H01F 27/28** (2006.01); **H01F 30/12** (2006.01); **H01F 38/18** (2006.01)

CPC (source: EP RU US)  
**H01F 27/24** (2013.01 - US); **H01F 27/255** (2013.01 - EP US); **H01F 27/2823** (2013.01 - EP US); **H01F 30/12** (2013.01 - EP US); **H01F 38/18** (2013.01 - EP US); **H01F 27/28** (2013.01 - RU); **H01F 30/12** (2013.01 - RU); **H01F 38/18** (2013.01 - RU)

Citation (search report)  
See references of WO 2013167830A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2013167830 A1 20131114**; BR 112014028093 A2 20170627; CA 2872723 A1 20131114; CA 2872723 C 20200707; CN 104412342 A 20150311; CN 104412342 B 20170301; EP 2847774 A1 20150318; EP 2847774 B1 20170118; FR 2990559 A1 20131115; FR 2990559 B1 20150501; RU 2014149800 A 20160710; RU 2630477 C2 20170911; US 2015145626 A1 20150528; US 9424978 B2 20160823

DOCDB simple family (application)  
**FR 2013050987 W 20130503**; BR 112014028093 A 20130503; CA 2872723 A 20130503; CN 201380034601 A 20130503; EP 13725417 A 20130503; FR 1254298 A 20120510; RU 2014149800 A 20130503; US 201314400163 A 20130503