

Title (en)
MAGNETIC CORE OF ROTATING TRANSFORMER

Title (de)
MAGNETKERN EINES ROTIERENDEN TRANSFORMATORS

Title (fr)
NOYAU MAGNETIQUE DE TRANSFORMATEUR TOURNANT

Publication
EP 3198617 A1 20170802 (FR)

Application
EP 15778377 A 20150924

Priority
• FR 1459081 A 20140925
• FR 2015052552 W 20150924

Abstract (en)
[origin: WO2016046499A1] The invention relates to a rotating transformer magnetic core (14) including bars (142) placed along a longitudinal axis (16) of the core and at least two side panels (144) that are axially spaced from each other and radially extend from the bars so as to define, together with said bars, at least one annular groove wherein a toroidal coil is to be placed. Each side panel is made up of a bundle of circular magnetic metal sheets which are radially arranged, and the bars are each made up of a plurality of stacks of magnetic metal sheets. The metal sheet stacks forming the bars are axially arranged and assembled on the circular metal sheet bundles, angularly spaced from each other about the longitudinal axis of the core.

IPC 8 full level
H01F 3/02 (2006.01); **H01F 38/18** (2006.01)

CPC (source: EP US)
H01F 3/14 (2013.01 - US); **H01F 27/245** (2013.01 - EP US); **H01F 27/30** (2013.01 - US); **H01F 27/32** (2013.01 - US); **H01F 30/10** (2013.01 - US); **H01F 38/18** (2013.01 - EP US)

Citation (search report)
See references of WO 2016046499A1

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 2016046499 A1 20160331; CN 106796841 A 20170531; CN 106796841 B 20180928; EP 3198617 A1 20170802; EP 3198617 B1 20180815; FR 3026549 A1 20160401; FR 3026549 B1 20171208; JP 2017535069 A 20171124; JP 2020184647 A 20201112; US 10147539 B2 20181204; US 2018233278 A1 20180816

DOCDB simple family (application)
FR 2015052552 W 20150924; CN 201580051644 A 20150924; EP 15778377 A 20150924; FR 1459081 A 20140925; JP 2017516761 A 20150924; JP 2020127935 A 20200729; US 201515513607 A 20150924