

Title (en)
TRANSFORMER WITH SUPERCONDUCTING WINDINGS

Title (de)
TRANSFORMATOR MIT SUPRALEITENDEN WICKLUNGEN

Title (fr)
TRANSFORMATEUR AVEC BOBINAGE SUPRACONDUCTEUR

Publication
EP 3292554 A1 20180314 (DE)

Application
EP 16733962 A 20160701

Priority
• DE 102015212824 A 20150709
• EP 2016065454 W 20160701

Abstract (en)
[origin: WO2017005619A1] The invention relates to a transformer comprising at least a first transformation unit having a primary winding and a secondary winding. Each of the two windings has at least one high-temperature superconducting conductor. Each of the two windings is wound around a first annular base structure, which is common to both windings, in several turns, in such a way that both windings extend over a jointly wrapped, predominant part of the circumferential extent of the annular base structure.

IPC 8 full level
H01F 6/06 (2006.01); **H01F 27/28** (2006.01); **H01F 36/00** (2006.01)

CPC (source: EP US)
H01F 6/06 (2013.01 - EP US); **H01F 27/08** (2013.01 - US); **H01F 27/2895** (2013.01 - EP US); **H01F 36/00** (2013.01 - EP US);
Y02E 40/60 (2013.01 - EP US)

Citation (search report)
See references of WO 2017005619A1

Cited by
AU2019260018B2; US11394263B2; WO2019206801A1

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 2017005619 A1 20170112; CN 107851504 A 20180327; CN 107851504 B 20200403; DE 102015212824 A1 20170112;
EP 3292554 A1 20180314; US 2018204671 A1 20180719

DOCDB simple family (application)
EP 2016065454 W 20160701; CN 201680040277 A 20160701; DE 102015212824 A 20150709; EP 16733962 A 20160701;
US 201615742713 A 20160701