

Title (en)
ROTATING THREE-PHASE TRANSFORMER WITH LINKED AND FREE FLUX

Title (de)
ROTIERENDER DREHSTROMTRANSFORMATOR MIT VERKNÜPFTEM UND FREIEM FLUSS

Title (fr)
TRANSFORMATEUR TOURNANT TRIPHASE A FLUX LIES LIBRE

Publication
EP 2847068 A1 20150318 (FR)

Application
EP 13725413 A 20130503

Priority
• FR 1254223 A 20120509
• FR 2013050983 W 20130503

Abstract (en)
[origin: WO2013167827A1] The invention concerns a rotating three-phase transformer (10) with linked and free flux comprising a first portion (11) and a second portion (12) mobile in rotation about axis A relative to each other. A first body delimits a first annular slot (19) of axis A, a second annular slot (20) of axis A, a third annular slot (21) of axis A and a fourth annular slot (22) of axis A. The windings of the first portion (11) comprise a first toric winding (34) of axis A in the first slot (19), a second toric winding (35) of axis A in the second slot (20), a third toric winding (36) of axis A in the second slot (20), a fourth toric winding (37) of axis A in the third slot (21), a fifth toric winding (38) of axis A in the third slot (21) and a sixth toric winding (39) of axis A in the fourth slot (22).

IPC 8 full level
B63B 21/50 (2006.01); **H01F 3/02** (2006.01); **H01F 30/12** (2006.01); **H01F 38/18** (2006.01)

CPC (source: EP RU US)
H01F 21/06 (2013.01 - US); **H01F 30/12** (2013.01 - EP US); **H01F 38/18** (2013.01 - EP US); **H01F 30/12** (2013.01 - RU);
H01F 38/18 (2013.01 - RU)

Citation (search report)
See references of WO 2013167827A1

Cited by
EP2847772A1

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 2013167827 A1 20131114; BR 112014027824 A2 20170627; BR 112014027824 B1 20210720; CA 2872711 A1 20131114;
CA 2872711 C 20200616; CN 104487337 A 20150401; CN 104487337 B 20170503; EP 2847068 A1 20150318; EP 2847068 B1 20161123;
FR 2990556 A1 20131115; FR 2990556 B1 20140530; JP 2015516116 A 20150604; JP 6174126 B2 20170802; RU 2014149343 A 20160710;
RU 2630425 C2 20170907; US 2015116067 A1 20150430; US 9093217 B2 20150728

DOCDB simple family (application)
FR 2013050983 W 20130503; BR 112014027824 A 20130503; CA 2872711 A 20130503; CN 201380024528 A 20130503;
EP 13725413 A 20130503; FR 1254223 A 20120509; JP 2015510855 A 20130503; RU 2014149343 A 20130503; US 201314399709 A 20130503