

Title (en)

ELECTRICAL ARRANGEMENT AND METHOD FOR GENERATING A DIRECT CURRENT

Title (de)

ELEKTRISCHE ANORDNUNG UND VERFAHREN ZUM ERZEUGEN EINES GLEICHSTROMES

Title (fr)

DISPOSITIF ET PROCÉDÉ ÉLECTRIQUES POUR PRODUIRE UN COURANT CONTINU

Publication

EP 3183808 A1 20170628 (DE)

Application

EP 14781101 A 20140924

Priority

EP 2014070365 W 20140924

Abstract (en)

[origin: WO2016045722A1] The invention relates, inter alia, to an arrangement having at least one input alternating voltage terminal (E20a, E20b, E20c) to which an alternating current can be supplied, and at least two output terminals. The arrangement (10) comprises at least one series circuit (200) encompassing at least two sub-modules (220) connected in series; each sub-module (220) of the series circuit (200) comprises at least one converter module (221), one inverter module (222) and one transformer module (223). According to the invention, the arrangement is a rectifier arrangement (10), the output terminals form output direct voltage terminals (A20a, A20b) of the rectifier arrangement (10) at which direct current can be tapped, each sub-module (220) of the series circuit (200) additionally comprises a rectifier module (224), and the outputs of the rectifier modules (224) are connected in parallel and form the output direct voltage terminals (A20a, A20b) of the rectifier arrangement (10).

IPC 8 full level

H02M 7/48 (2007.01); **H02M 3/28** (2006.01); **H02M 5/458** (2006.01); **H02M 7/217** (2006.01)

CPC (source: EP US)

H02M 1/143 (2013.01 - US); **H02M 3/285** (2013.01 - EP US); **H02M 7/06** (2013.01 - US); **H02M 7/217** (2013.01 - EP US); **H05B 7/005** (2013.01 - US); **H05B 7/18** (2013.01 - US); **H02M 1/0074** (2021.05 - EP US)

Citation (search report)

See references of WO 2016045722A1

Citation (examination)

- WO 2012028189 A1 20120308 - ERICSSON TELEFON AB L M [SE], et al
- DE 19920049 A1 20001102 - SMS DEMAG AG [DE]
- US 6181576 B1 20010130 - IKEDA TETSURO [JP], et al

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 2016045722 A1 20160331; EP 3183808 A1 20170628; US 2017302192 A1 20171019

DOCDB simple family (application)

EP 2014070365 W 20140924; EP 14781101 A 20140924; US 201415513851 A 20140924