

Title (en)  
METHOD FOR CENTERING OF A LOAD TAPE-CHANGER

Title (de)  
VERFAHREN ZUR AUSMITTELUNG EINES LASTSTUFENSCHALTERS

Title (fr)  
PROCÉDÉ POUR CENTRER D'UN CHANGEUR DE PRISES EN CHARGE

Publication  
**EP 2842148 B1 20160518 (DE)**

Application  
**EP 13715631 A 20130325**

Priority

- DE 102012103742 A 20120427
- DE 102012104089 A 20120510
- EP 2013056245 W 20130325

Abstract (en)

[origin: WO2013160044A1] The invention relates to a method for averaging the voltage in an on-load tap changer used to switch between various winding taps of a tapped transformer. The general inventive concept consists in reaching a predefined operating position of the on-load tap changer by having a parameterized control device activate a motor drive in a first rotational direction once the on-load tap changer has been turned on, such that the on-load tap changer starts running through its stationary operating positions, i.e. the various winding taps of the tapped transformer, in the direction of the first tap; the control device recognizes when the on-load tap changer has reached its final position, whereupon the motor drive is activated in a second rotational direction such that the on-load tap changer then runs through the control range in the opposite switching direction until reaching the first stationary operating position; the first stationary operating position is subsequently configured as a predefined operating position using the control device parameterization stored in a non-volatile manner.

IPC 8 full level  
**H01H 9/00** (2006.01)

CPC (source: EP RU US)  
**H01H 9/00** (2013.01 - RU); **H01H 9/0027** (2013.01 - US); **H01H 9/0033** (2013.01 - EP US); **H01H 9/0038** (2013.01 - EP US);  
**H01H 2009/0061** (2013.01 - US)

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

DOCDB simple family (publication)  
**WO 2013160044 A1 20131031**; BR 112014021196 B1 20210202; CN 104205274 A 20141210; CN 104205274 B 20170308;  
DE 102012104089 A1 20131031; EP 2842148 A1 20150304; EP 2842148 B1 20160518; HK 1203105 A1 20151016; JP 2015519737 A 20150709;  
JP 6290182 B2 20180307; KR 102038429 B1 20191030; KR 20150003207 A 20150108; RU 2014138630 A 20160620;  
RU 2643509 C2 20180202; UA 113003 C2 20161125; US 2016035506 A1 20160204; US 9966203 B2 20180508; ZA 201405904 B 20151125

DOCDB simple family (application)  
**EP 2013056245 W 20130325**; BR 112014021196 A 20130325; CN 201380016943 A 20130325; DE 102012104089 A 20120510;  
EP 13715631 A 20130325; HK 15103259 A 20150331; JP 2015507433 A 20130325; KR 20147029345 A 20130325; RU 2014138630 A 20130325;  
UA A201411626 A 20130325; US 201314377733 A 20130325; ZA 201405904 A 20140812