

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE VOLTAGE OF A TRANSFORMER SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM REGELN DER SPANNUNG EINES TRANSFORMATORSYSTEMS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COMMANDE DE RÉGLAGE DE LA TENSION D'UN SYSTÈME DE TRANSFORMATEUR

Publication

**EP 3447602 B1 20240703 (DE)**

Application

**EP 17187264 A 20170822**

Priority

EP 17187264 A 20170822

Abstract (en)

[origin: US2019064858A1] A method for controlling a value of a voltage at a conductor to which at least one secondary winding of a first steppable transformer and a secondary winding of a second steppable transformer are connected is provided. The method includes: if a voltage deviation of the voltage at the conductor from a voltage setpoint value is within a first range around the voltage setpoint value, and if an overall deviation of a sum of the voltage deviation and a reactive current deviation from the voltage setpoint value respectively for the first and the second transformer is outside of a second range, which is larger than the first, around the voltage setpoint value: setting a delay time for stepping the first transformer and/or the second transformer in such a way that stepping of the first or the second transformer that counteracts the voltage deviation is prioritized.

IPC 8 full level

**G05F 1/14** (2006.01)

CPC (source: EP US)

**G05F 1/14** (2013.01 - EP US)

Citation (examination)

- DE 102014119158 A1 20160623 - REINHAUSEN MASCHF SCHEUBECK [DE]
- US 5210443 A 19930511 - KUGLER KURT [DE]
- US 8321162 B2 20121127 - LABUSCHAGNE CASPER A [US], 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

DOCDB simple family (publication)

**EP 3447602 A1 20190227; EP 3447602 B1 20240703**; BR 102018016439 A2 20190319; US 10571938 B2 20200225; US 2019064858 A1 20190228

DOCDB simple family (application)

**EP 17187264 A 20170822**; BR 102018016439 A 20180813; US 201816106340 A 20180821