

Title (en)

STATIC ON-LOAD TAP CHANGER FOR TRANSFORMERS WITH DISCONTINUOUS REGULATION WINDINGS

Title (de)

STATISCHER LASTSTUFENSCHALTER FÜR TRANSFORMATOREN MIT DISKONTINUIERLICHEN REGELWICKLUNGEN

Title (fr)

DISPOSITIF DE CHANGEMENT STATIQUE DE PRISES EN CHARGE POUR DES TRANSFORMATEURS À ENROULEMENTS DE RÉGULATION DISCONTINUS

Publication

EP 3780038 C0 20230816 (EN)

Application

EP 19814374 A 20190530

Priority

- ES 201830549 A 20180606
- ES 2019070363 W 20190530

Abstract (en)

[origin: EP3780038A1] This document describes an on-load tap-changer device based on solid-state switches for applications that require dynamic voltage regulation. The tap changer of the invention is provided with a central control unit that determines the optimal operating setpoint as a function of the information supplied by the local control units associated with each of the phases. For this purpose, the local control units are linked to a series of voltage and current sensors that determine the operating status of the tap changer. In addition, these local control units actuate the control signals of the solid-state switches to select the optimal tap determined by the central controller.

IPC 8 full level

H01F 29/04 (2006.01); **G05F 1/20** (2006.01); **H01H 9/00** (2006.01); **H02P 13/06** (2006.01)

CPC (source: EP ES)

G05F 1/20 (2013.01 - EP); **H01F 29/04** (2013.01 - EP); **H01H 9/0005** (2013.01 - EP ES); **H01H 9/0016** (2013.01 - ES)

Cited by

ES2950896A1; WO2022229056A1

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

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

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