Title (en)

ON-LOAD TAP CHANGER

Title (de)

LASTSTUFENSCHALTER

Title (fr)

COMMUTATEUR DE PRISES EN CHARGE

Publication

EP 2569781 A2 20130320 (DE)

Application

EP 11706755 A 20110223

Priority

- DE 102010019948 A 20100508
- EP 2011000859 W 20110223

Abstract (en)

[origin: CA2798959A1] The invention relates to an on-load tap changer for step transformers, which has one main current branch and one auxiliary current branch for each of the two winding taps to be switched. In each main current branch and auxiliary current branch, switching is accomplished by means of a vacuum switching tube. According to the invention, an additional mechanical contact is provided in each of the main current branches and in each of the auxiliary current branches between the respective winding tap to which said branch is electrically connected and the respective vacuum switching tube in said branch. Said mechanical contacts are switched in such a way that the vacuum switching tubes in the main current branch and the auxiliary current branch of the unconnected winding tap can be galvanically isolated from the unconnected winding tap.

IPC 8 full level

H01F 29/02 (2006.01); **H01F 29/04** (2006.01); **H01H 9/00** (2006.01)

CPC (source: EP KR US)

G05F 1/14 (2013.01 - EP KR US); **H01F 29/04** (2013.01 - EP KR US); **H01H 9/0005** (2013.01 - KR); **H01H 9/0038** (2013.01 - KR); H01H 9/0038 (2013.01 - EP US)

Citation (search report)

See references of WO 2011141081A2

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)

DE 102010019948 A1 20111110; **DE 102010019948 B4 20150611**; BR 112012027887 A2 20160906; BR 112012027887 A8 20200128; BR 112012027887 B1 20200310; CA 2798959 A1 20111117; CN 103026433 A 20130403; CN 103026433 B 20160622; EP 2569781 A2 20130320; EP 2569781 B1 20150916; HK 1178674 A1 20130913; JP 2013530520 A 20130725; JP 5823502 B2 20151125; KR 101802262 B1 20171128; KR 20130063505 A 20130614; RU 2012152955 A 20140620; UA 109130 C2 20150727; US 2013057248 A1 20130307; US 9373442 B2 20160621; WO 2011141081 A2 20111117; WO 2011141081 A3 20130207

DOCDB simple family (application)

DE 102010019948 A 20100508; BR 112012027887 A 20110223; CA 2798959 A 20110223; CN 201180023062 A 20110223; EP 11706755 A 20110223; EP 2011000859 W 20110223; HK 13105417 A 20130506; JP 2013509455 A 20110223; KR 20127031478 A 20110223; RU 2012152955 A 20110223; UA A201212716 A 20110223; US 201113642141 A 20110223