Title (en)

ON-LOAD TAP CHANGER, A STEP TRANSFORMER AND CORRESPONDING METHOD OF TAP CHANGING

Title (de)

LASTSTUFENSCHALTER, STUFENTRANSFORMATOR ZUR SPANNUNGSREGELUNG UND VERFAHREN ZUR DURCHFÜHRUNG EINER UMSCHALTUNG IM STUFENTRANSFORMATOR

Title (fr)

COMMUTATEUR DE PRISES EN CHARGE, UN TRANSFORMATEUR À CHANGEMENT DE PRISES EN CHARGE ET SON PROCEDE DE CHANGEMENT DE PRISES EN CHARGE

Publication

EP 3039698 A1 20160706 (DE)

Application

EP 14747370 A 20140801

Priority

- DE 102013109289 A 20130827
- DE 102014103526 A 20140314
- EP 2014066634 W 20140801

Abstract (en)

[origin: WO2015028253A1] In an on-load tap changer (10) for voltage regulation of a tap-changing transformer (15), provision is made for the tap-changing transformer (15) to have at least one phase (16) to be regulated which has a first winding (20) and a second winding (30); the first winding (20) has a tapped winding (21) comprising even-numbered winding taps (23) and a main winding (22), and the second winding (30) has a tapped winding (31) comprising odd-numbered winding taps (33) and a main winding (32); the first winding (20) and the second winding (30) are inductively coupled to the tapped windings (21, 31) having the even-numbered and the odd-numbered winding taps (23, 33); the on-load tap changer (10) has a selector (40) for alternately powerless preselection of the even-numbered or odd-numbered winding taps (23, 33) to be connected.

IPC 8 full level

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

CPC (source: EP KR US)

G05F 1/147 (2013.01 - EP US); **H01F 29/02** (2013.01 - EP KR US); **H01F 29/04** (2013.01 - KR); **H01H 9/0011** (2013.01 - EP KR US); **H01H 9/0016** (2013.01 - US); **H01H 9/0027** (2013.01 - US); **H01H 9/0038** (2013.01 - US)

Citation (search report)

See references of WO 2015028253A1

Cited by

WO2020078599A1

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)

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DOCDB simple family (application)

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