Title (en)

LOAD TRANSFER SWITCH, ON-LOAD TAP CHANGER, AND METHOD FOR SWITCHING AN ON-LOAD TAP CHANGER

Title (de)

LASTUMSCHALTER, LASTSTUFENSCHALTER UND VERFAHREN ZUM UMSCHALTEN EINES LASTSTUFENSCHALTERS

Title (fr)

COMMUTATEUR DE CHARGE, COMMUTATEUR D'ÉTAGE DE CHARGE ET PROCÉDÉ POUR LA COMMUTATION D'UN COMMUTATEUR D'ÉTAGE DE CHARGE

Publication

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Application

**EP 13736564 A 20130711**

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Abstract (en)

[origin: WO2014026805A1] The invention relates to a load transfer switch for an on-load tap changer for switching from a connected winding tap to a preselected winding tap of a tapped transformer. The load transfer switch comprises at least one resistance-free current path and at least one resistive path. A measuring device measures an actual value of a phase angle between a load current and a tapped transformer voltage from the preselected winding tap for discharging a current. The chronological connection sequence of the paths of the load transfer switch can be variably adjusted by an adjusting device dependent on the measured actual value and a specified threshold of the phase angle such that the voltage constantly lies within a voltage range between the connected winding tap and the preselected winding tap during a load switch. The invention also relates to an on-load tap changer with such a load transfer switch and to a method for switching a load transfer switch from a connected winding tap to a preselected winding tap of a tapped transformer.

IPC 8 full level

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CPC (source: EP US)

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