

Title (en)
ON-LOAD TAP CHANGER, REGULATING TRANSFORMER WITH ON-LOAD TAP CHANGER, AND METHOD FOR CONNECTING AN ON-LOAD TAP CHANGER

Title (de)
LASTSTUFENSCHALTER, REGELTRANSFORMATOR MIT LASTSTUFENSCHALTER UND VERFAHREN ZUM SCHALTEN EINES LASTSTUFENSCHALTERS

Title (fr)
GRADUATEUR DE RÉGLAGE EN CHARGE, TRANSFORMATEUR DE RÉGLAGE ÉQUIPÉ D'UN GRADUATEUR DE RÉGLAGE EN CHARGE ET PROCÉDÉ DE COMMUTATION D'UN GRADUATEUR DE RÉGLAGE EN CHARGE

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Abstract (en)
[origin: WO2018050522A1] The invention relates to a method for switching an on-load tap changer (11) comprising a tap selector (20), which comprises: a plurality of selector fixed contacts comprising a commutation contact (200) which can be connected to an original winding (12) of a regulating transformer (10), and a plurality of stage contacts (201...208) that can be respectively connected to an associated tap of a regulating winding (13) of the regulating transformer; a first selector arm (26) which can optionally contact each selector fixed contact; a second selector arm (36) which can optionally contact each selector fixed contact; a preselector (40) which switches from a first position to a second position and vice versa and can be connected to the regulating winding and the original winding, comprising a first preselector fixed contact (401), a second preselector fixed contact (402), and a third preselector fixed contact, which is connected to the first preselector fixed contact in the first position and to the second preselector fixed contact in the second position; a diverter switch (60) which can be switched from a first position into a second position and vice versa, comprising a first connection (601) which is connected to the first selector arm (26), and a second connection (602) which is connected to the second selector arm (36); and a discharge line (603) which is connected to the first terminal connection in the first position and to the second terminal connection in the second position; where when the preselector is switched, the selector arms are adjusted in such a way that one of the selector arms contacts the commutation contact and the other selector arm does not contact any of the stage contacts, and a switching of the diverter switch begins before the switching of the preselector is completed.

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