Title (en)
METHOD FOR OPERATING AN ON-LOAD TAP CHANGER HAVING SEMICONDUCTOR SWITCHING ELEMENTS

Title (de)
VERFAHREN ZUM BETRIEB EINES LASTSTUFENSCHALTERS MIT HALBLEITERELEMENTEN

Title (fr)
PROCÉDÉ POUR FAIRE FONCTIONNER UN CHANGEUR DE PRISES EN CHARGE AVEC DES ÉLÉMENTS DE COMMUTATION À SEMI-CONDUCTEURS

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Abstract (en)
[origin: WO2014127932A2] The invention relates to an on-load tap changer (1) for controlling voltage, comprising semiconductor switching elements (61, 62, 71, 72), and to a method for controlling voltage for a variable transformer (2). The on-load tap changer (1) has a first load branch (6) and a second load branch (7) arranged parallel thereto. A partial winding (8) is arranged between the first and second load branches (6, 7). In the first load branch (6), a first semiconductor switching element (61) is provided upstream of the partial winding (8) and a second semiconductor switching element (62) is provided downstream of the partial winding (8). In the second load branch (7), a first semiconductor switching element (71) is provided upstream of the partial winding (8) and a second semiconductor switching element (72) is provided downstream of the partial winding (8). The on-load tap changer (1) consists of at least one switching module (5), which comprises the first load branch (6) and the second load branch (7) of the on-load tap changer.

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