

Title (en)

AUTOTRANSFORMER, AUTOTRANSFORMER-RECTIFIER UNIT AND METHOD FOR CONNECTING A PIECE OF ELECTRICAL EQUIPMENT TO A THREE-PHASE GRID BY MEANS OF AN AUTOTRANSFORMER-RECTIFIER UNIT

Title (de)

SPARTRANSFORMATOR, SPARTRANSFORMATOREINHEIT UND VERFAHREN ZUM ANSCHLIESSEN EINES TEILS EINER ELEKTRISCHEN AUSRÜSTUNG AN EIN DREIPHASENNETZ MITTELS EINER SPARTRANSFORMATOREINHEIT

Title (fr)

AUTOTRANSFORMATEUR, UNITÉ AUTOTRANSFORMATEUR-REDRESSEUR ET PROCÉDÉ DE CONNEXION D'UN ÉQUIPEMENT ÉLECTRIQUE À UN RÉSEAU TRIPHASÉ AU MOYEN D'UNE UNITÉ AUTOTRANSFORMATEUR-REDRESSEUR

Publication

**EP 4128294 A1 20230208 (FR)**

Application

**EP 21732453 A 20210512**

Priority

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- FR 2021050837 W 20210512

Abstract (en)

[origin: WO2021229190A1] The invention relates to a three-phase autotransformer (8) comprising three groups of outputs and three inputs (E1, E2, E3) each connected to each of the outputs of one respective group of outputs via windings, the windings being configured so that, when each input applies a respective input voltage, the three input voltages having the same input amplitude, being phase shifted by 120° with respect to each other and defining a neutral point: - for each group of outputs, a main output voltage, measured between a main output of said output group and the neutral point, has an amplitude higher than the input amplitude; and - the output voltages of the autotransformer belong to the same Reuleaux polygon, each output voltage being associated with one respective output and being equal to a voltage between said output and the neutral point.

IPC 8 full level

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