

Title (en)
APPARATUS FOR REDUCING A MAGNETIC UNIDIRECTIONAL FLUX COMPONENT IN THE CORE OF A TRANSFORMER

Title (de)
VORRICHTUNG ZUR VERRINGERUNG EINES MAGNETISCHEN GLEICHFLUSS-ANTEILS IM KERN EINES TRANSFORMATORS

Title (fr)
DISPOSITIF DE RÉDUCTION D'UNE PARTIE DU FLUX MAGNÉTIQUE CONTINU DANS LE NOYAU D'UN TRANSFORMATEUR

Publication
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Application
EP 14815679 A 20141217

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Abstract (en)
[origin: WO2015117708A1] The invention relates to an apparatus for reducing a magnetic unidirectional flux component in the core of a transformer with at least three legs, in particular a three-phase transformer comprising at least one compensation winding per transformer leg, wherein the compensation windings are magnetically coupled to the core of the transformer. The apparatus is characterized in that - two compensation windings (K1-1, K1-2; K2-1, K2-2; K3-1, K3-2) are provided per leg, in each case the first compensation windings (K1-1, K2-1, K3-1) of a leg are connected together electrically in a first delta connection (1), - in each case the second compensation windings (K1-2, K2-2, K3-2) of a leg are connected together electrically in a second delta connection (2), - wherein the compensation windings (K1-1, K1-2; K3-1, K3-2) of at least one leg have different numbers of windings, - and wherein at least one switching unit (T) is arranged in series with the compensation windings for phase angle control.

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