Title (en)

Device 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 part de flux continu magnétique dans le noyau d'un transformateur

Publication

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Application

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Priority

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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.

IPC 8 full level

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