

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 COMPOSANTE CONTINUE DU FLUX MAGNÉTIQUE DANS LE NOYAU D'UN TRANSFORMATEUR

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Application

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Abstract (en)

[origin: WO2014191023A1] The invention relates to an apparatus for reducing a magnetic unidirectional flux component in the core of a transformer, in particular a three-phase transformer, comprising a plurality of compensation windings (K1, K2, K3) which are magnetically coupled to the core of the transformer. Said apparatus is characterized in that - a controllable current source (S) for feeding current into the compensation windings (K1, K2, K3) is provided and is arranged electrically in series with the compensation windings (K1, K2, K3), specifically with the neutral point (P1) thereof, which is formed by the inputs of the compensation windings (K1, K2, K3), and - a neutral earthing transformer (H) is provided and is electrically connected to the outputs of the compensation windings (K1, K2, K3), and - the current source (S) electrically connects the neutral point (P1) of the compensation windings (K1, K2, K3) and the neutral point (P2) of the neutral earthing transformer (H) to one another.

IPC 8 full level

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