

Title (en)
ELECTRICAL TRANSFORMER WITH UNIDIRECTIONAL FLUX COMPENSATION

Title (de)
ELEKTRISCHER TRANSFORMATOR MIT GLEICHFLUSS-KOMPENSATION

Title (fr)
TRANSFORMATEUR ÉLECTRIQUE AVEC COMPENSATION DU FLUX CONTINU

Publication
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Application
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Priority
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Abstract (en)
[origin: WO2008151661A1] Electrical transformer with unidirectional flux compensation, characterized by the following features: a) the transformer (20) has a soft-magnetic core (4), on which, in addition to a primary and a secondary winding arrangement (1, 2), a compensation winding arrangement (3) is arranged, b) the compensation winding arrangement (3) is connected to a current control device (12, 13), which feeds a compensation current (16, 17) into the compensation winding arrangement (3) in accordance with a control signal (14, 15), which a magnetic field measurement device (30) provides from a measurement of a flux which is interlinked with a current in the primary or secondary winding arrangement, in such a way that the effect of said compensation current in the core (4) is in the opposite direction to a magnetic unidirectional flux (5).

IPC 8 full level
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