

Title (en)

A PLANAR TRANSFORMER AND A METHOD FOR SHIELDING WINDINGS IN A PLANAR TRANSFORMER

Title (de)

PLANARER TRANSFORMATOR UND VERFAHREN ZUR ABSCHIRMUNG VON WINDUNGEN IN EINEM PLANAREN TRANSFORMATOR

Title (fr)

TRANSFORMATEUR PLANAIRE ET PROCÉDÉ POUR LE BLINDAGE D'ENROULEMENTS DANS UN TRANSFORMATEUR PLANAIRE

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Application

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Priority

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Abstract (en)

The present invention relates to a planar transformer that comprises a first winding (201, 413, 514) and a second winding (202, 415, 513), and a third winding (203, 416, 516) and a fourth winding (204, 417, 517) which are arranged between the first winding (201, 413, 514) and the second winding (202, 415, 513). In the planar transformer each of the third winding (203, 416, 516) and the fourth winding (204, 417, 517) comprises a shielding turn (208, 209, 418, 419, 518, 519) that covers at least 30 percent of a winding window of the planar transformer, said shielding turns (208, 209, 418, 419, 518, 519) being arranged in such a manner that the shielding turns (208, 209, 418, 419, 518, 519) together cover at least 50 percent of the winding window. The present invention also relates to a method for shielding windings (201, 202, 413, 415, 513, 514) in a planar transformer.

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