

Title (en)
TRANSFORMER CORE COMPRISING MAGNETIC SHIELDING

Title (de)
TRANSFORMATORKERN MIT MAGNETISCHER ABSCHIRMUNG

Title (fr)
NOYAU DE TRANSFORMATEUR A BLINDAGE MAGNETIQUE

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EP 1849169 A1 20071031 (DE)

Application
EP 06708170 A 20060210

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Abstract (en)
[origin: WO2006087294A1] The invention relates to a transformer core comprising a core interior consisting of a magnetisable material. Magnetic leakage fluxes create eddy currents in the outer core regions, which lead to power losses and local overheating. Said leakage fluxes are channelled and conducted away from the outer region of the core interior by shielding, which partially encompasses the core interior and consists of at least one layered magnetisable material. This permits the formation of eddy currents in the core interior to be significantly reduced and thus prevents local overheating of the transformer core and power losses.

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See references of WO 2006087294A1

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