

Title (en)  
CORE FOR A TRANSFORMER

Title (de)  
KERN FÜR EINEN TRANSFORMATOR

Title (fr)  
NOYAU POUR UN TRANSFORMATEUR

Publication  
**EP 3738133 C0 20230712 (DE)**

Application  
**EP 19710339 A 20190301**

Priority  
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Abstract (en)  
[origin: CA3092514A1] The invention relates to a core for a transformer. Said core comprises a multiplicity of bent metal sheets bonded together to form a structure surrounding a core opening and forming the core. Said metal sheets comprise sheet ends not touching one another within the core, causing the core with said metal sheets to form at least one air gap at said sheet ends within the core or at a periphery of the core. Said air gap forms magnetic resistance that increases with the width of said air gap. This causes no-load losses. An object of the invention is to minimize those no-load losses in the transformers through the lowest possible magnetic resistances. A lacquer is provided which contains magnetic particles. Said lacquer impregnates or coats the core at least at said sheet ends of said metal sheets and fills each air gap between said sheet ends of said metal sheets.

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