

Title (en)

MAGNETIC CORE WITH COOLING CAPABILITIES AND METHOD FOR ITS PRODUCING

Title (de)

MAGNETKERN MIT KÜHLFÄHIGKEITEN UND VERFAHREN ZUR DESSEN HERSTELLUNG

Title (fr)

NOYAU MAGNETIQUE PRESENTANT DES CAPACITES DE REFROIDISSEMENT ET SA METHODE DE FABRICATION

Publication

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Application

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Abstract (en)

[origin: WO2004112064A1] A magnetic core has a series of heat-dissipating feature for improved dissipation of the core losses. The heat-dissipating features can comprise a series of fins or protrusions integrally realized with the core or permanently attached to it. In the case of a powder core, fins and ribs can be directly formed during core pressing. Variants of the invention comprise metallic elements permanently inserted in the core for increasing radiation, convection or conduction of the heat. A heat pipe can be used when higher heat transfer is required. The core of the invention is particularly suitable for power filters and EMC filters.

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Cited by

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