Title (en)

INDUCTOR AND METHOD FOR PRODUCTION OF AN INDUCTOR CORE UNIT FOR AN INDUCTOR

Title (de)

DROSSEL UND VERFAHREN ZUM HERSTELLEN EINER DROSSELKERNEINHEIT FÜR EINE DROSSEL

Title (fr)

SELF DE CHOC ET PROCEDE DE FABRICATION D'UNE UNITE DE NOYAU POUR UNE SELF DE CHOC

Publication

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Application

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Abstract (en)

[origin: WO2009095122A1] The invention relates to an inductor having an electrical conductor for production of a magnetic field and having at least one inductor core unit (10) which is arranged in the area of the conductor and comprises an inductor core (12) composed of material which can be magnetized, as well as at least one air gap (16) with a filling material (18) being introduced into at least one part of the air gap (16) in order to provide mechanical robustness, with the filling material (18) being formed such that it has a coefficient of thermal expansion (aF), the value of which is within a range of ±70% of the value of the coefficient of thermal expansion (aD) of the material which can be magnetized and of which the inductor core (12) is composed. The invention also relates to a method for production of an inductor core unit (10) for an inductor.

IPC 8 full level

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Citation (search report)

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