

Title (en)

INDUCTANCE, METHOD OF SIMULATION, COMPUTER SYSTEM, COMPUTER PROGRAM PRODUCT

Title (de)

INDUKTIVITÄT, VERFAHREN ZUR SIMULATION, COMPUTERSYSTEM, COMPUTERPROGRAMMPRODUKT

Title (fr)

INDUCTANCE, PROCÉDÉ DE SIMULATION, SYSTÈME INFORMATIQUE, PRODUIT DE PROGRAMME INFORMATIQUE

Publication

**EP 4343794 A1 20240327 (DE)**

Application

**EP 22197612 A 20220926**

Priority

EP 22197612 A 20220926

Abstract (en)

[origin: WO2024068181A1] The invention relates to an inductor (ID0) having at least one core (CRE), wherein the core (CRE) has an at least partially concave shape and at least partially encloses a volume of space (CVT), and the inductor has current terminals (TRM). In order to increase power density, according to the invention, at least some of the current terminals (TRM) are at least partially arranged in the volume of space (CVT).

Abstract (de)

Die Erfindung betrifft eine Induktivität (ID0) mit mindestens einem Kern (CRE), wobei der Kern (CRE) mit einer zumindest abschnittweisen konkaven Form ein Raumvolumen (CVT) zumindest teilweise umschließt, wobei die Induktivität Stromanschlüsse (TRM) aufweist. Zur Erhöhung der Leistungsdichte wird vorgeschlagen, dass zumindest einige der Stromanschlüsse (TRM) zumindest teilweise in dem Raumvolumen (CVT) angeordnet sind.

IPC 8 full level

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Citation (search report)

- [X1] US 2013278369 A1 20131024 - SHEPARD CHARLES [US], et al
- [X1] EP 3096336 B1 20171129 - SMA SOLAR TECHNOLOGY AG [DE]
- [X1] EP 0939412 B1 20040616 - TDK CORP [JP]
- [X] US 2010214050 A1 20100826 - OPINA JR GIL [SG], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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DOCDB simple family (application)

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