

Title (en)

Multi-layer-multi-turn structure for high efficiency inductors

Title (de)

Mehrlagen-Mehrwindungs-Struktur für hocheffiziente Induktoren

Title (fr)

Structure multi-tours et multi-couches pour inducteurs à haute efficacité

Publication

EP 2779181 B1 20180926 (EN)

Application

EP 14000885 A 20140312

Priority

- US 201313797387 A 20130312
- US 201313797415 A 20130312
- US 201313797437 A 20130312
- US 201313797459 A 20130312
- US 201313797478 A 20130312
- US 201313797503 A 20130312
- US 201313797534 A 20130312
- US 201313797561 A 20130312
- US 201313797581 A 20130312
- US 201313797593 A 20130312
- US 201313797611 A 20130312
- US 201313797629 A 20130312

Abstract (en)

[origin: EP2779181A2] A multi-layer, multi-turn structure for an inductor having a plurality of conductor layers separated by layers of insulator is described. The inductor further comprises a connector electrically connected between the conductor layers. The structure of the inductor may comprise a cavity therewithin. The structure of the inductor constructed such that electrical resistance is reduced therewithin, thus increasing the efficiency of the inductor. The inductor is particularly useful at operating within the radio frequency range and greater.

IPC 8 full level

H01F 17/00 (2006.01)

CPC (source: EP)

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Citation (examination)

US 2004140528 A1 20040722 - KIM CHEON SOO [KR], et al

Cited by

CN113539608A; WO2019096803A1

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