

Title (en)
THROTTLE AND THROTTLE CORE

Title (de)
DROSSEL UND DROSSELKERN

Title (fr)
INDUCTANCE ET NOYAU INDUCTEUR

Publication
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Application
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Abstract (en)
[origin: US2015287512A1] The present invention relates to a choke with two coils and a core for interleaved applications in step-up or step-down circuits or power factor compensation circuits. The core comprises several core sections with several lateral legs and a middle leg, whereby the core is designed such, that a coupling factor k of the two coils is smaller than 3%-5%. Furthermore, the core is designed such, that the core section form two loops with the middle leg as a common section, whereby each of the two coils lies on different loops outside of the common section. The lateral legs have a cross section A_1 and the middle leg for the common section has a cross section $A_2 < 2 \times A_1$.

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Citation (examination)

- WO 0233711 A1 20020425 - KONINKL PHILIPS ELECTRONICS NV [NL]
- JP 2000150255 A 20000530 - TOKIN CORP
- JP H0536821 U 19930518

Cited by
EP4152350A4; WO2022078769A1

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