

Title (en)

POWER CONVERTER COMPRISING AND INDUCTANCE DEVICE WITH SHIELDING

Title (de)

LEISTUNGSWANDLER MIT INDUKTIVITÄTSVORRICHTUNG MIT ABSCHIRMUNG

Title (fr)

CONVERTISSEUR DE PUISSANCE COMPRENANT UN DISPOSITIF D'INDUCTANCE AVEC BLINDAGE

Publication

EP 2998971 B1 20190724 (EN)

Application

EP 14185731 A 20140922

Priority

EP 14185731 A 20140922

Abstract (en)

[origin: EP2998971A1] The invention relates to an inductance device (30) for a power converter (10) comprising a core (21) with a first leg (21a), a second leg (21 b) oriented parallel to the first leg (21a), a third leg (21c) and a fourth leg (21d), wherein the legs (21a, 21b, 21c, 21d) are in a rectangular arrangement. A first winding (22a) is wound around the first leg (21 a) and a second winding (22b) is wound around the second leg (21b).The inductance device (30) further comprises a third winding (31) comprising a short-circuited wire and being wound around an outer perimeter of the inductance device (10) as defined by the outer surfaces of the first winding (22a) and the second winding (22b), wherein a winding axis of the third winding (31) is oriented parallel to the first leg (21 a) and the second leg (21 b) of the core (21). The inductance device (30) may form part of a power converter (10) or a filter device (17) for a power converter.

IPC 8 full level

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Cited by

US11075031B2; EP3588762A1; EP3441994A1; CN109390135A; KR20190016897A; EP3672048A1; CN111355438A; EP3799281A1; US11114992B2

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