Title (en)

COMPOSITE TRANSFORMER FOR SELF-OSCILLATOR

Title (de)

MEHRTEILIGER TRANSFORMATOR FÜR SELBSTSCHWINGER

Title (fr)

TRANSFORMATEUR COMPOSITE POUR AUTO-OSCILLATEUR

Publication

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Application

EP 98925782 A 19980526

Priority

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- FR 9706401 A 19970526

Abstract (en)

[origin: FR2763761A1] The invention concerns converters using a self-oscillator whereof the switching means cyclical conduction is provided by a control transformer the primary of which is series connected to the inductive resistor transferring converted energy onto the output load. The device is characterised in that it comprises a composite transformer including on the same magnetic circuit (7) or on coupled magnetic circuits, the inductive resistor (7d) and said control transformer combining the coils (7a, 7b, 7c) such that the magnetic field generated by said inductive resistor and the magnetic field generated by said control transformer primary travel along substantially perpendicular directions. Such a configuration enables the inductive resistor (7d) to preserve excellent magnification of circuit which can be advantageously used in series or parallel oscillating circuits. This economical device is applicable to all types of converters using a self-oscillator.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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