

Title (en)

CONVERTER DEVICE AND INTERRUPTION-FREE POWER SUPPLY INCLUDING SUCH A DEVICE

Title (de)

UMRICHTERANORDNUNG UND UNTERBRECHUNGSFREIE STROMVERSORGUNG MIT EINER SOLCHEN ANORDNUNG

Title (fr)

DISPOSITIF CONVERTISSEUR ET ALIMENTATION SANS INTERRUPTION ÉQUIPÉE D'UN TEL DISPOSITIF

Publication

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Application

EP 09737010 A 20090810

Priority

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Abstract (en)

[origin: WO2010029222A1] The invention relates to a converter device that comprises a power supply input (121, 122), a rectifier means (D1, D4), a switching means (T2, T3), a control means (301) and a switching assistance circuit (231, 232), wherein said switching assistance circuit includes an inductive means, a means for bypassing an input current (IE), and a power storage means (137, 138). The device of the invention is characterised in that the inductive means essentially comprises a transformer (TP, TN) directly connected to the power supply input (121, 122) and including reversely wound windings, and in that the bypass means includes an auxiliary switching means (TX2, TX3) directly connected between said inductive means and a reference voltage or an output line (115, 117) in order to establish an input current bypass on said inductive means before the main priming P. The invention also relates to an interruption-free power supply including the above-described converter device.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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