

Title (en)

CONTROL DEVICE FOR A BUCK-BOOST CONVERTER

Title (de)

STEUERGERÄT FÜR EINEN AUF- UND ABWÄRTSWANDLER

Title (fr)

APPAREIL DE COMMANDE POUR UN TRANSFORMATEUR SURVOLTEUR ET DÉVOLTEUR

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Application

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Abstract (en)

[origin: WO2014026969A1] The invention relates to a control circuit for a buck-boost converter (W) for transporting electrical energy from a first network (BN1) to a second network (BN2), comprising a first input for detecting a voltage (V(BN1)) in the first network (BN1), a second input for detecting a voltage (V(BN2)) in the second network (BN2), a first output (T1), at which a first signal for switching a first switch (SWT1) of the buck-boost converter (W) on and off in bucking operation can be tapped, a second output (B2), at which a second signal for switching a second switch (SWB2) of the buck-boost converter (W) on and off in boosting operation can be tapped, and one or more control means (AS, Reset_FF, Buck-FF, Boost-FF, PWM, R) for generating the first signal and the second signal, wherein the control means (AS, Reset_FF, Buck-FF, Boost-FF, PWM, R) comprise a PWM generator (PWM, R), wherein the control means comprise a memory (Reset_FF), in which it can be stored whether a reset signal (Reset) is switched to the on state or not during a certain part of a period of a periodic clock signal (Clk).

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