

Title (en)
SWITCH-MODE POWER SUPPLY AND A METHOD FOR CONTROLLING AN OUTPUT VOLTAGE OF A SWITCH-MODE POWER SUPPLY

Title (de)
SCHALTNETZTEIL UND VERFAHREN ZUM REGELN EINER AUSGANGSSPANNUNG EINES SCHALTNETZTEILS

Title (fr)
ALIMENTATION À DÉCOUPAGE ET PROCÉDÉ DE RÉGLAGE D'UNE TENSION DE SORTIE D'UNE ALIMENTATION À DÉCOUPAGE

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Application
EP 14799162 A 20141118

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Abstract (en)
[origin: WO2015075010A2] The invention relates to a switch-mode power supply (1) for converting an input voltage (UEIN) into an output voltage (UA), which comprises at least one switching stage (4) controlled by a pulse width modulation circuit (9) in a clocked manner, and a control circuit (8) being provided which acts on said pulse width modulation circuit (9) in order to alter the output voltage (UA) level. The switch-mode power supply (1) is characterised in that the control circuit (8) has a temperature sensor (S) provided to measure a load-dependent temperature (T) of the switch-mode power supply (1), said control circuit (8) being configured such that the output voltage (UA) is lowered as the temperature (T) increases. The invention also relates to a method for controlling an output voltage (UA) of a switch-mode power supply (1).

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