

Title (en)

SYSTEM AND METHOD FOR PROVIDING STEP-DOWN POWER CONVERSION USING AN INTELLIGENT SWITCH

Title (de)

SYSTEM UND VERFAHREN ZUR LEISTUNGSVERMINDERUNG MIT EINEM INTELLIGENTEN SCHALTER

Title (fr)

SYSTEME ET PROCEDE SERVANT A EFFECTUER UNE CONVERSION DE LIMITATION PROGRESSIVE DE COURANT AU MOYEN D'UN COMMUTATEUR INTELLIGENT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0118625A1] A method and system for managing power in a device having a power source is described. The method (22) and system (26) includes a switch and at least one controller. The switch is coupled with the power source and a portion of the device. The at least one controller is coupled with the switch and is for controlling the switch to be open or closed based on instructions provided to the controller. The controller toggles the switch to provide pulse-width modulation, thereby stepping-down a first power (30) to a desired power provided to the portion of the device. In another aspect, the method and system include loading software for providing pulse width modulation in at least one controller of a system. The system includes at least one switch coupled with the power source, a portion of the device and the controller. In this aspect, the method and system also include utilizing the at least one controller for toggling the switch to provide pulse-width modulation based on the software. Thus, a first power is stepped down to a desired power provided to the portion of the device.

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Citation (search report)

- [X] DE 19726773 A1 19990107 - BOSCH GMBH ROBERT [DE]
- [X] US 5864116 A 19990126 - BAKER IVAN E [US]
- See references of WO 0118625A1

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