

Title (en)
METHOD FOR OPERATING AN ELECTRONIC MODULE SUPPLIED WITH ELECTRICAL ENERGY BY AN OPERATING VOLTAGE SOURCE

Title (de)
VERFAHREN ZUM BETREIBEN EINER AUS EINER BETRIEBSSPANNUNGSQUELLE VERSORGTE ELEKTRONISCHEN BAUGRUPPE

Title (fr)
PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN COMPOSANT ELECTRONIQUE ALIMENTE PAR UNE SOURCE DE TENSION DE FONCTIONNEMENT

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Application
EP 03770886 A 20030925

Priority
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• DE 10255429 A 20021128

Abstract (en)
[origin: WO2004051822A1] The invention relates to a method for operating an electronic module (10) which is supplied with electrical energy by an operating voltage source (UBat) and comprises a circuit unit (4) for carrying out at least one system function. According to said method, in the event of an operating voltage interruption, the operating voltage is supplied by a system-autonomous capacitor (Cs), and the system function can be activated by means of the energy reserve supplied by a function-autonomous capacitor (Cz). In addition, the system-autonomous capacitor is charged by a voltage converter (1) connected to the operating voltage source. Furthermore, the function-autonomous capacitor is connected to the voltage converter by means of a charging connection (5). Said charging connection can be controlled in order to fulfil various functions in different operating states, that is both in a switching mode for clocking the charging current charging the function-autonomous capacitor, and in a current source mode wherein the charging connection operates as a controlled resistance, both for producing a constant discharging current for checking the system-autonomous capacitor and for producing a re-loading current for re-loading the function-autonomous capacitor.

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