

Title (en)

METHOD AND APPARATUS FOR CONTROLLING THE VOLTAGE SUPPLIED TO A SEMICONDUCTOR DEVICE

Title (de)

SCHALTUNG UND VORRICHTUNG ZUR REGELUNG DES EINEM HALBLEITERKREISES ZUGEFÜHRTER SPANNUNG

Title (fr)

PROCEDE ET APPAREIL DE REGULATION DE LA TENSION DELIVREE A UN DISPOSITIF A SEMI-CONDUCTEURS

Publication

EP 0788685 A4 19980121 (EN)

Application

EP 95940556 A 19951025

Priority

- US 9513787 W 19951025
- US 32883794 A 19941025

Abstract (en)

[origin: WO9613100A1] A voltage reference circuit (140) associated with a semiconductor device (100) specifies an operating voltage for the semiconductor device by generating a control voltage. A power supply (330) generates power for the semiconductor device (100) at a supply voltage, and a power control regulator (120) generates the operating voltage from the supply voltage in accordance with the control value. A computer system contains at least one microprocessor (300) that includes the voltage reference circuit (140). The computer system also includes a power control regulator (120) and power supply (330) that generates power for the computer system at a supply voltage. The voltage reference circuit within the microprocessor (300) specifies an operating voltage to power the microprocessor (300) by generating a control value. The power control regulator (120) is coupled to the power supply and the voltage reference circuit (140) and generates the operating voltage for the microprocessor from the supply voltage in accordance with the control value.

IPC 1-7

H03M 1/06

IPC 8 full level

G05F 1/46 (2006.01); **G06F 1/26** (2006.01)

CPC (source: EP KR)

G05F 1/10 (2013.01 - KR); **G05F 1/46** (2013.01 - EP); **G06F 1/26** (2013.01 - EP)

Citation (search report)

- [X] MOSTELLER T: "MUP SOCKET AUTOMATICALLY SENSES UPGRADE", EDN ELECTRICAL DESIGN NEWS, vol. 39, no. 5, 3 March 1994 (1994-03-03), pages 89, XP000442998
- [PX] "VARIABLE POWER SUPPLY OUTPUT VOLTAGE BY MICRO PROCESSOR UNIT UPGRADE CARD", IBM TECHNICAL DISCLOSURE BULLETIN, vol. 38, no. 5, May 1995 (1995-05-01), pages 439/440, XP000519639
- See references of WO 9613100A1

Designated contracting state (EPC)

GB IE

DOCDB simple family (publication)

WO 9613100 A1 19960502; AU 4196496 A 19960515; EP 0788685 A1 19970813; EP 0788685 A4 19980121; KR 970707639 A 19971201; MX 9702829 A 19970731

DOCDB simple family (application)

US 9513787 W 19951025; AU 4196496 A 19951025; EP 95940556 A 19951025; KR 19970702724 A 19970425; MX 9702829 A 19951025