

Title (en)

VOLTAGE REGULATING CIRCUIT FOR ELIMINATING "LATCH-UP

Title (de)

SPANNUNGSREGELUNGSSCHALTUNG ZUR UNTERDRÜCKUNG DES LATCH-UP PHÄNOMEN

Title (fr)

CIRCUIT DE REGULATION DE TENSION DESTINE A SUPPRIMER UN PHENOMENE DIT "LATCH-UP"

Publication

**EP 1010048 A1 20000621 (FR)**

Application

**EP 98929294 A 19980511**

Priority

- EP 98929294 A 19980511
- EP 9802749 W 19980511
- EP 97107722 A 19970512

Abstract (en)

[origin: EP0878752A1] The voltage regulator has a series bipolar transistor (2) to adjust the voltage output. The base voltage of the transistor is controlled by a resistor (5) and Zener diode (6) connected across the unregulated potential source, with the base connected to the junction between the resistor and the Zener diode. In addition, a voltage detector circuit (11) is connected across the regulated output and is also connected to the base of the transistor. The voltage detector causes the transistor to switch to the blocking state when latch up occurs. Filter capacitors (3,9) are fitted across the unregulated and the regulated supplies.

IPC 1-7

**G05F 1/00**; **G05F 1/575**

IPC 8 full level

**H01L 23/62** (2006.01); **G05F 1/00** (2006.01); **G05F 1/10** (2006.01); **G05F 1/56** (2006.01); **G05F 1/575** (2006.01); **H02J 1/00** (2006.01); **H03K 17/60** (2006.01)

CPC (source: EP KR US)

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DOCDB simple family (publication)

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