

Title (en)

Device for adjusting high voltage to make it compatible with low voltage technology and pertinent electronic circuit

Title (de)

Vorrichtung zur Hochspannungsregelung kompatibel mit Niederspannungstechnologie und entsprechende elektronische Schaltung

Title (fr)

Dispositif de régulation haute tension compatible avec les technologies basses tensions et circuit électronique correspondant

Publication

EP 1724656 A3 20070307 (FR)

Application

EP 05111836 A 20051208

Priority

FR 0413445 A 20041216

Abstract (en)

[origin: FR2879771A1] The device has a dividing unit comprising a power transistor (TP1) mounted in series with a power transistor (TP2). The transistors divide a supply voltage (VUSB) and generate a regulated voltage (V out). A retroactive control unit controls the state of the transistors according to a current value of the regulated voltage. The control unit has a reference voltage (VBGP) generating unit that is supplied by the regulated voltage. An independent claim is also included for an electronic circuit comprising a regulation device.

IPC 8 full level

G05F 1/575 (2006.01)

CPC (source: EP US)

G05F 1/575 (2013.01 - EP US)

Citation (search report)

- [X] US 4278929 A 19810714 - LEE ROBERT D, et al
- [X] US 6265856 B1 20010724 - CALI GIOVANNI [IT], et al
- [A] WO 2004092861 A1 20041028 - KONINKL PHILIPS ELECTRONICS NV [NL], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

FR 2879771 A1 20060623; FR 2879771 B1 20070622; EP 1724656 A2 20061122; EP 1724656 A3 20070307; US 2006170407 A1 20060803; US 7525294 B2 20090428

DOCDB simple family (application)

FR 0413445 A 20041216; EP 05111836 A 20051208; US 30373905 A 20051215