

Title (en)

Circuit for generation of a supply voltage

Title (de)

Schaltungsanordnung zum Erzeugen einer Versorgungsspannung

Title (fr)

Circuit pour générer une tension d'alimentation

Publication

EP 0793159 B1 20080116 (DE)

Application

EP 97101955 A 19970207

Priority

DE 19607802 A 19960301

Abstract (en)

[origin: EP0793159A2] The controllable current source (I1) receives the input voltage (VIN) via a dropping resistance (RDU). The dropped voltage (VDU) is applied to an impedance convertor or driver/buffer amplifier (1) which gives the output voltage (VOUT). A resistive divider (R1,R2) supplies a fixed fraction (VT) of the output voltage to a comparator (K). Any discrepancy between this and a reference voltage (VREF) is used to adjust the current source. This may comprise a reference current source connected to the bases of three n-p-n transistors (one functioning as a diode) in a current mirror circuit.

IPC 8 full level

G05F 1/46 (2006.01)

CPC (source: EP)

G05F 1/465 (2013.01)

Cited by

US6150874A

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

EP 0793159 A2 19970903; EP 0793159 A3 19980311; EP 0793159 B1 20080116; DE 19607802 A1 19970904; DE 19607802 C2 19990819; DE 59712912 D1 20080306

DOCDB simple family (application)

EP 97101955 A 19970207; DE 19607802 A 19960301; DE 59712912 T 19970207