

Title (en)

Circuit for supplying a reference voltage.

Title (de)

Schaltung für die Lieferung einer Referenzspannung.

Title (fr)

Circuit destiné à fournir une tension de référence.

Publication

EP 0414319 B1 19940803 (FR)

Application

EP 90202235 A 19900820

Priority

FR 8911114 A 19890822

Abstract (en)

[origin: EP0414319A1] The circuit invention comprises of the a voltage generator (REF) having a supply terminal and delivering at its output a voltage of given nominal value (VR) and comprising a differential amplifier (A) supplied by a first supply voltage source and whose non-inverting input is connected to the output of the voltage generator, (REF). The output of the differential amplifier (A) is connected to the input of a follower stage (T) through a controlled switching device (1), the follower stage (T) having its input connected to the first supply voltage source through a first resistor (R1) and having its output, which delivers the said reference voltage (VD), connected on the one hand to the inverting input of the differential amplifier (A) via a divider bridge and on the other hand to the supply terminal of the voltage generator (REF). A control circuit (C) for the switching device is configured to receive at least the supply voltage in such a way that the switching device (1) is turned on when the supply voltage reaches a threshold for which both the voltage generator and the differential amplifier are in a region of nominal operation. <IMAGE>

IPC 1-7

G05F 1/565

IPC 8 full level

G05F 1/56 (2006.01); **G05F 1/565** (2006.01)

CPC (source: EP KR US)

G05F 1/10 (2013.01 - KR); **G05F 1/565** (2013.01 - EP US); **Y10S 323/901** (2013.01 - EP US)

Cited by

EP0638857A1; FR2709005A1; US5471167A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0414319 A1 19910227; **EP 0414319 B1 19940803**; DE 69011239 D1 19940908; DE 69011239 T2 19950223; FR 2651343 A1 19910301; JP 2790364 B2 19980827; JP H03103908 A 19910430; KR 0154335 B1 19981215; KR 910005125 A 19910330; US 5079497 A 19920107

DOCDB simple family (application)

EP 90202235 A 19900820; DE 69011239 T 19900820; FR 8911114 A 19890822; JP 21723590 A 19900820; KR 900012857 A 19900821; US 56741590 A 19900814