

Title (en)

Low temperature corrected voltage generating device

Title (de)

Niedrigtemperaturkorrigierte Spannungsgeneratoreinrichtung

Title (fr)

Dispositif générateur de tension corrigé à basse température.

Publication

EP 1102148 B1 20050504 (FR)

Application

EP 00403128 A 20001110

Priority

FR 9914284 A 19991115

Abstract (en)

[origin: EP1102148A1] The circuit has a component sensitive to low temperature changes in order to control the amplifier final output voltage. The constant voltage generator comprises a reference voltage generator (110) and an amplifier (126) connected between this reference voltage generator and the output terminal. A voltage divider (130) is connected to one input of the amplifier to provide a feedback voltage. The voltage divider comprises at least a first resistance (132) in series with an element (150) whose resistance varies as a function of the prevailing low temperature. The temperature dependence of this resistance value is different from that of the first resistance (132) and thus this provides a feedback which is smaller in the lower part of the temperature range.

IPC 1-7

G05F 3/30

IPC 8 full level

G05F 3/30 (2006.01)

CPC (source: EP US)

G05F 3/30 (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1102148 A1 20010523; EP 1102148 B1 20050504; DE 60019878 D1 20050609; DE 60019878 T2 20060216; FR 2801116 A1 20010518; FR 2801116 B1 20020125; US 6407638 B1 20020618

DOCDB simple family (application)

EP 00403128 A 20001110; DE 60019878 T 20001110; FR 9914284 A 19991115; US 70296700 A 20001031