

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.

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IPC 8 full level

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CPC (source: EP US)

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