

Title (en)

Device for the generation of an improved reference voltage and corresponding integrated circuit

Title (de)

Vorrichtung zur Erzeugung einer verbesserten Referenzspannung und entsprechende integrierte Schaltung

Title (fr)

Dispositif de génération d'une tension électrique de référence de précision améliorée et circuit intégré électronique correspondant

Publication

EP 1566717 B1 20070829 (FR)

Application

EP 05101272 A 20050218

Priority

FR 0401753 A 20040220

Abstract (en)

[origin: EP1566717A1] The device has reduction units for reducing dependency to a value of a resistor (R1) for a current circulating in a branch (31) of a proportional to absolute temperature current generator. The reduction units have a resistor (R4) of non adjustable value and act in a manner to increase or decrease the current circulating in the branch when resistivity of the resistor (R1) is higher or lower than a reference value respectively. An independent claim is also included for an electronic integrated circuit comprising a device for generating reference voltage.

IPC 8 full level

G05F 3/26 (2006.01); **G05F 3/30** (2006.01)

CPC (source: EP US)

G05F 3/267 (2013.01 - EP US); **G05F 3/30** (2013.01 - EP US)

Cited by

US2015105352A1; US8415940B2; WO2009153618A1

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

EP 1566717 A1 20050824; **EP 1566717 B1 20070829**; DE 602005002160 D1 20071011; DE 602005002160 T2 20080424; ES 2293476 T3 20080316; FR 2866724 A1 20050826; FR 2866724 B1 20070216; US 2005206443 A1 20050922; US 7218167 B2 20070515

DOCDB simple family (application)

EP 05101272 A 20050218; DE 602005002160 T 20050218; ES 05101272 T 20050218; FR 0401753 A 20040220; US 6288805 A 20050222