

Title (en)

Reference voltage generator controlled as a function of temperature

Title (de)

Temperaturabhängig geregelter Referenzspannungsgenerator

Title (fr)

Générateur de tension de référence régulée en fonction de la température

Publication

EP 0816965 B1 20011017 (FR)

Application

EP 97201850 A 19970617

Priority

FR 9607941 A 19960626

Abstract (en)

[origin: EP0816965A1] The reference potential generator has two supplementary transistors (T4,T5) inserted between the principal transistors (T1,T2) and the current sources (I1,I2) connected in the collector circuits of the principal transistors. The bases of the supplementary transistors are connected to the base circuit of an intermediate transistor (T3), the emitters are connected to the collectors of the principal transistors and the collectors to one of the current sources. The intermediate transistor has its base connected to one of the sources of current, the collector to a supply terminal and the emitter to the bases of the principal transistors. The overall circuit forms a number of current mirror circuits.

IPC 1-7

G05F 3/30

IPC 8 full level

H03F 1/30 (2006.01); **G05F 3/30** (2006.01)

CPC (source: EP KR US)

G05F 3/30 (2013.01 - EP KR US)

Cited by

EP3828662A1; CN112882524A; IT201900022518A1; US11099595B2; US11531365B2; EP3828662B1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0816965 A1 19980107; EP 0816965 B1 20011017; CN 1170279 A 19980114; DE 69707368 D1 20011122; DE 69707368 T2 20020627; FR 2750515 A1 19980102; JP H1084227 A 19980331; KR 980006844 A 19980330; US 5783937 A 19980721

DOCDB simple family (application)

EP 97201850 A 19970617; CN 97113883 A 19970626; DE 69707368 T 19970617; FR 9607941 A 19960626; JP 17054497 A 19970626; KR 19970031025 A 19970626; US 88134997 A 19970624