

Title (en)

Regulated voltage generating circuit of bandgap type

Title (de)

Geregelter Spannungsquellengenerator der Bandgapbauart

Title (fr)

Circuit générateur de tension stabilisée du type bandgap

Publication

EP 0649079 B1 19980923 (FR)

Application

EP 94202878 A 19941005

Priority

FR 9312187 A 19931013

Abstract (en)

[origin: EP0649079A1] -Circuit generating a reference voltage (Vref) independent of the supply voltage (Vcc) and of the temperature, including a cell (1) in which transistors (T1,T2) of different emitter areas deliver a current (Ipt) proportional to the absolute temperature. -According to the invention, the circuit includes an amplifier (2) having an input stage (T3,T4,T5,T6,25,26) of folded cascode type, as well as an output stage (T34,T56,T22,35,45,46,43) configured to produce symmetry of operation capable of eliminating first- and second-order errors in the accuracy and stability of the reference voltage (Vref) produced by the generating circuit. -Application to microelectronics. <IMAGE>

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