

Title (en)

CURRENT SOURCE WITH LOW TEMPERATURE COEFFICIENT

Publication

EP 0424264 B1 19930120 (FR)

Application

EP 90402933 A 19901018

Priority

- FR 8913757 A 19891020
- FR 8913758 A 19891020

Abstract (en)

[origin: EP0424264A1] The invention relates to integrated circuits, and more particularly the manner of producing in these circuits a constant current source which is stable as a function of temperature and of the supply voltage of the integrated circuit. <??>According to the invention, it is proposed to produce a stable current source on the basis of two transistors (Q1, Q2) in parallel, one controlled by a reference voltage source of the "band gap" type (AO, R1, R2, R3, D1, D2) and the other by a wilson mirror (T1, T2, T3, T4). The addition of the currents from the two transistors gives a current which can be much more stable in terms of temperature than the individual currents in each of the transistors. <IMAGE>

IPC 1-7

G05F 3/20; G05F 3/24; G05F 3/30

IPC 8 full level

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CPC (source: EP US)

G05F 3/245 (2013.01 - EP US); **G05F 3/247** (2013.01 - EP US); **Y10S 323/907** (2013.01 - EP US)

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DOCDB simple family (publication)

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EP 90402933 A 19901018; DE 69000803 T 19901018; US 60030990 A 19901019