

Title (en)
Generating circuit for reference voltage

Title (de)
Referenzspannung-Erzeugungsschaltung

Title (fr)
Circuit générateur de tension de référence

Publication
EP 0952508 B1 20010829 (DE)

Application
EP 99105491 A 19990317

Priority
DE 19818464 A 19980424

Abstract (en)
[origin: EP0952508A1] The circuit has a first stage (T1,T3) providing a first voltage with a negative temperature coefficient and a second stage (T1-T4,R1-R4) providing a difference voltage with a positive temperature coefficient via 2 further voltages. The reference voltage is obtained by combining the first voltage and the difference voltage. The first voltage and each of the further voltages is obtained as a sum voltage of a pair of pn junction voltages.

IPC 1-7
G05F 1/56; G05F 1/575; G05F 3/30; G06G 7/10; H03F 1/30; H03K 3/02; H03K 5/24

IPC 8 full level
G05F 1/56 (2006.01); **G05F 1/575** (2006.01); **G05F 3/22** (2006.01); **G05F 3/30** (2006.01); **G06G 7/10** (2006.01); **H03F 1/30** (2006.01); **H03K 3/02** (2006.01); **H03K 5/24** (2006.01); **G05F 3/26** (2006.01)

CPC (source: EP US)
G05F 3/225 (2013.01 - EP US); **G05F 3/265** (2013.01 - EP US); **G05F 3/267** (2013.01 - EP US)

Designated contracting state (EPC)
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DOCDB simple family (publication)
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