

Title (en)
DUAL MODE VOLTAGE REFERENCE CIRCUIT AND METHOD

Publication
EP 0333353 A3 19911023 (EN)

Application
EP 89302113 A 19890302

Priority
US 16930888 A 19880317

Abstract (en)
[origin: EP0333353A2] A voltage reference circuit is described which is capable of providing either an internally generated voltage having a trimming capability, or an externally generated voltage, with the use of only two pins (2,4). The internal voltage is connected through an interrupt circuit (T2,T3,R4,R5,R7) to an input/output terminal (2), which can also receive an externally generated voltage. A trimming terminal (4) is used to apply trimming voltage signals to adjust the internally generated voltage. To convert from the internal (8,A1) to the external voltage source (20), an interrupt voltage is applied to the trimming terminal (4) which is outside of the normal trimming voltage range. This interrupt voltage actuates an interrupt circuit (T2,T3,R4,R5,R7) to interrupt the connection (T1) between the internal voltage source (8,A1) and input/output terminal (2), leaving the output terminal (2) available for the external voltage source (20).

IPC 1-7
G05F 1/56

IPC 8 full level
G05F 1/56 (2006.01)

CPC (source: EP)
G05F 1/56 (2013.01)

Citation (search report)

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- [A] WESCON CONFERENCE RECORD, North Hollywood, September 1977, pages 1-5; J. SIMMONS: "Microprocessor 8-bit D/A-converter"
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US5418488A; WO9207315A1; WO9306540A1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0333353 A2 19890920; EP 0333353 A3 19911023; JP H01271812 A 19891030

DOCDB simple family (application)
EP 89302113 A 19890302; JP 6579589 A 19890317