

Title (en)
Integrated circuit with a voltage regulator

Title (de)
Integrierte Schaltung mit einem Spannungsregler

Title (fr)
Circuit intégré avec un régulateur de tension

Publication
EP 0973084 B1 20090624 (DE)

Application
EP 99113089 A 19990706

Priority
DE 19832309 A 19980717

Abstract (en)
[origin: DE19832309C1] An integrated circuit includes a voltage regulator (O), which specifically includes an op.amp, and which generates an internal supply voltage (VInt), and which has an input for supplying an actual or measured value and an input for supplying a reference voltage as a desired value. The actual or measured value is generated by a first voltage divider (R3,R4) from the internal supply voltage (VInt), and a second voltage divider (R1,R2) is connected across the first, and has the same voltage-dividing ratio as the first voltage divider. The voltage regulator's sensitivity is set by the value of resistance of at least one resistance element (R3) of the first potential divider (R3,R4).

IPC 8 full level
G05F 1/575 (2006.01); **G05F 1/46** (2006.01)

CPC (source: EP US)
G05F 1/468 (2013.01 - EP US); **G05F 1/575** (2013.01 - EP US)

Cited by
CN100429724C

Designated contracting state (EPC)
DE FR GB IE IT

DOCDB simple family (publication)
DE 19832309 C1 19991014; DE 59915043 D1 20090806; EP 0973084 A2 20000119; EP 0973084 A3 20000405; EP 0973084 B1 20090624; TW M251161 U 20041121; US 6133779 A 20001017

DOCDB simple family (application)
DE 19832309 A 19980717; DE 59915043 T 19990706; EP 99113089 A 19990706; TW 92217352 U 19990630; US 35681199 A 19990719