

Title (en)
Integratable shunt regulator.

Title (de)
Integrierbarer Shunt-Regler.

Title (fr)
Régulateur shunt intégrable.

Publication
EP 0499657 B1 19950517 (DE)

Application
EP 91102283 A 19910218

Priority
EP 91102283 A 19910218

Abstract (en)
[origin: EP0499657A1] A two-pole shunt regulator having integrated voltage reference connects the regulation of the differential output voltage of an energy gap reference to the supply voltage. The energy gap reference is formed by two transistors (4, 5) whose base and collector connections are connected to one another and whose emitter connections are connected to one another on the one hand via a resistor (6) and on the other hand via a series circuit consisting of two resistors (7, 8). <IMAGE>

IPC 1-7
G05F 1/613; **G05F 3/30**

IPC 8 full level
G05F 1/613 (2006.01); **G05F 3/30** (2006.01)

CPC (source: EP US)
G05F 1/613 (2013.01 - EP US); **G05F 3/30** (2013.01 - EP US)

Cited by
EP0698841A1; WO9614613A1

Designated contracting state (EPC)
DE ES FR GB IT SE

DOCDB simple family (publication)
EP 0499657 A1 19920826; **EP 0499657 B1 19950517**; DE 59105528 D1 19950622; ES 2071849 T3 19950701; US 5229708 A 19930720

DOCDB simple family (application)
EP 91102283 A 19910218; DE 59105528 T 19910218; ES 91102283 T 19910218; US 83727892 A 19920218