

Title (en)
Parallel voltage regulator

Title (de)
Parallelspannungsregler

Title (fr)
Régulateur de tension parallèle

Publication
EP 1248175 A3 20040707 (DE)

Application
EP 02007177 A 20020328

Priority
DE 10115813 A 20010330

Abstract (en)
[origin: EP1248175A2] The device has a controlled load element connected to output terminals, a reference voltage source and a regulator connected to the controlled load element and reference voltage source. The regulator has 2 current mirrors. The reference source lies in the control arm of the first current mirror, whose controlled arm is connected to the output voltage and to the control branch of the second current mirror, whose controlled arm forms the controlled load. The device has a controlled load element connected to its output terminals, a reference voltage source for determining the desired output voltage and a regulator connected to the controlled load element and reference voltage source. The regulator has two current mirrors (5,6). The reference source (VREF) lies in the control arm of the first current mirror, whose controlled arm is connected to the output voltage and to the control branch of the second current mirror, whose controlled arm forms the controlled load (MN2).

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G05F 3/26; G05F 1/613

IPC 8 full level
G05F 3/26 (2006.01)

CPC (source: EP)
G05F 3/265 (2013.01)

Citation (search report)
• [A] US 6078168 A 20000620 - MIGLIAVACCA PAOLO [FR]
• [A] GB 2226664 A 19900704 - MOTOROLA INC [US]
• [A] US 5939933 A 19990817 - WANG PAUL P S [US]

Cited by
CN105190251A; EP3113331A1; FR3038467A1; CN106326964A; WO2014161676A1; US9435672B2; US10432023B2; US10978910B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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