

Title (en)
Circuit for voltage regulation

Title (de)
Schaltungsanordnung zur Spannungsregelung

Title (fr)
Circuit pour la régulation de la tension

Publication
EP 1310851 A3 20041013 (DE)

Application
EP 02018301 A 20020814

Priority
DE 10144591 A 20010911

Abstract (en)
[origin: DE10144591A1] The arrangement consists of a longitudinal regulator circuit with a transistor (24), resistor (20) and Zener diode (22) and a charge pump circuit with a resistor (40), a diode (46) and a capacitor (42) and a clocked voltage source (44). The pump circuit is connected to the regulator circuit so that the resistor, capacitor and source are connected in series with a reference potential at the transistor output and the diode is connected on the anode side to the junction of the resistor and capacitor and on the cathode side to the regulator circuit transistor control input

IPC 1-7
G05F 3/18

IPC 8 full level
G05F 1/56 (2006.01); **G05F 3/18** (2006.01); **H02M 3/07** (2006.01)

CPC (source: EP US)
G05F 3/185 (2013.01 - EP US)

Citation (search report)

- [A] US 6049201 A 20000411 - FELDTKELLER MARTIN [DE]
- [A] US 6124703 A 20000926 - KRAUSE DIETER [DE], et al
- [A] DE 3716880 A1 19881215 - SACHS SYSTEMTECHNIK GMBH [DE]

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

DOCDB simple family (publication)
DE 10144591 A1 20030403; DE 10144591 C2 20030904; EP 1310851 A2 20030514; EP 1310851 A3 20041013; JP 2003108243 A 20030411; US 2003067288 A1 20030410; US 6710585 B2 20040323

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DE 10144591 A 20010911; EP 02018301 A 20020814; JP 2002262839 A 20020909; US 24228602 A 20020911