

Title (en)

VOLTAGE REGULATOR WITH STATIC GAIN IN REDUCED OPEN LOOP

Title (de)

SPANNUNGSREGLER MIT REDUZIERTER STATISCHEN VERSTÄRKUNG IN OFFENEM REGELKREIS

Title (fr)

REGULATEUR DE TENSION A GAIN STATIQUE EN BOUCLE OUVERTE REDUIT

Publication

**EP 1352302 A1 20031015 (FR)**

Application

**EP 01995774 A 20011221**

Priority

- FR 0104174 W 20011221
- FR 0016978 A 20001222

Abstract (en)

[origin: WO02052364A1] The invention concerns a voltage regulator having an output terminal (S) designed to be connected to a load (R), comprising an operational amplifier (4) whereof the non-inverting input is connected to a first reference potential (Vref), and whereof the inverting input is connected to the output terminal (S), and inverting stage (6) whereof the input is connected to the operational amplifier output, a power switch (T1) controlled by the inverter stage (6) output, arranged between the output terminal (S) and a supply potential (Vbat), and a load capacitor (C) arranged between the output terminal (S) and a supply reference potential (GND), including means (7) for reducing the effective output impedance of the operational amplifier (4).

IPC 1-7

**G05F 1/565**

IPC 8 full level

**G05F 1/565** (2006.01); **G05F 1/575** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 02052364A1

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