

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)  
**G05F 1/565** (2013.01 - EP US); **G05F 1/575** (2013.01 - EP US)

Citation (search report)  
See references of WO 02052364A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**WO 02052364 A1 20020704**; EP 1352302 A1 20031015; FR 2818762 A1 20020628; FR 2818762 B1 20030404; US 2004061485 A1 20040401; US 6933708 B2 20050823

DOCDB simple family (application)  
**FR 0104174 W 20011221**; EP 01995774 A 20011221; FR 0016978 A 20001222; US 45159303 A 20030623