

Title (en)
VOLTAGE REGULATOR WITH FREQUENCY RESPONSE CORRECTION

Title (de)
SPANNUNGSREGLER MIT FREQUENZGANGKORREKTUR

Title (fr)
REGULATEUR DE TENSION A CORRECTION DE REPONSE EN FREQUENCE

Publication
EP 1421456 A2 20040526 (DE)

Application
EP 02754318 A 20020704

Priority

- DE 0202449 W 20020704
- DE 10136715 A 20010727
- DE 10149907 A 20011010

Abstract (en)
[origin: WO03012568A2] The invention relates to a voltage regulator (10, 11) comprising a voltage regulator output (6) that provides a regulated output voltage (Uout) and an internal ohmic resistance (RZ) arranged in series to an external load (RL) to be connected to the voltage regulator output (6). An internal electrical regulation-feedback path of the voltage regulator (10, 11) is tapped both in a first position (A) upstream of the internal ohmic resistance (RZ) and in a second position (B) downstream of the internal ohmic resistance (RZ), said second position (B) being disposed between the internal ohmic resistance (RZ) and the voltage regulator output (6). For frequencies above a predetermined frequency (fw) the regulation is substantially effective directly via the first position (A) and not via the second position (B), while for frequencies below the predetermined frequency (fw) the regulation is substantially carried out via the path: first position (A) internal ohmic resistance (RZ) second position (B).

IPC 1-7
G05F 1/00

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 03012568A2

Designated contracting state (EPC)
DE DK FI FR GB IT SE

DOCDB simple family (publication)
WO 03012568 A2 20030213; WO 03012568 A3 20030417; EP 1421456 A2 20040526; EP 1421456 B1 20120411; US 2004207374 A1 20041021; US 6841978 B2 20050111

DOCDB simple family (application)
DE 0202449 W 20020704; EP 02754318 A 20020704; US 76562004 A 20040127