

Title (en)
VOLTAGE REGULATOR WITH FREQUENCY RESPONSE CORRECTION

Title (de)
SPANNUNGSREGLER MIT FREQUENZGANGKORREKTUR

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

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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 (U_{out}) and an internal ohmic resistance (R_Z) arranged in series to an external load (R_L) 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 (R_Z) and in a second position (B) downstream of the internal ohmic resistance (R_Z), said second position (B) being disposed between the internal ohmic resistance (R_Z) and the voltage regulator output (6). For frequencies above a predetermined frequency (f_w) 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 (f_w) the regulation is substantially carried out via the path: first position (A) internal ohmic resistance (R_Z) second position (B).

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