

Title (en)

Circuit arrangement to supply an earthed load with load independent current.

Title (de)

Schaltungsanordnung zur Speisung eines geerdeten Verbrauchers mit einem eingepprägten Strom.

Title (fr)

Circuit pour alimenter des charges mises à la terre avec courant indépendant de la charge.

Publication

EP 0462314 B1 19940928 (DE)

Application

EP 90120362 A 19901024

Priority

DE 3938460 A 19891120

Abstract (en)

[origin: JPH03175511A] PURPOSE: To prevent an actual value voltage from being superimposed by an in-phase signal by forming a reference potential and a target value voltage by returning the voltage of surface resistance of a load through a high-resistance impedance converter to a control amplifier. CONSTITUTION: A voltage 11 dropped by a surface resistor 5 of the load is supplied to the input side of a high-resistance impedance converter 6 so that a potential 9 generated on the output side of the impedance converter 6 can form the reference potential and a target value voltage 3 for control amplifiers 1 and 2. Thus, the feedback operation of the in-phase voltage generated by the surface resistance 5 of the load to the control amplifiers 1 and 2 can be minimized and the problem of occurrence caused by the unwanted in-phase signal is eliminated.

IPC 1-7

G05F 1/565

IPC 8 full level

G05F 1/00 (2006.01); **G05F 1/10** (2006.01); **G05F 1/46** (2006.01); **G05F 1/56** (2006.01); **G05F 1/565** (2006.01)

CPC (source: EP US)

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DE 3938460 C1 19910207; CN 1025082 C 19940615; CN 1051990 A 19910605; DE 59007348 D1 19941103; EP 0462314 A2 19911227; EP 0462314 A3 19920129; EP 0462314 B1 19940928; JP H03175511 A 19910730; JP H0612498 B2 19940216; US 5138248 A 19920811

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DE 3938460 A 19891120; CN 90109078 A 19901112; DE 59007348 T 19901024; EP 90120362 A 19901024; JP 31299490 A 19901120; US 61461790 A 19901115