

Title (en)

CIRCUIT ARRANGEMENT TO PROVIDE ELECTRONIC TRIPPING DEVICES WITH AN ELECTRICITY SUPPLY

Title (de)

SCHALTUNGSANORDNUNG ZUR ENERGIEVERSORGUNG VON ELEKTRONISCHEN AUSLÖSEEINRICHTUNGEN

Title (fr)

CIRCUIT D'ALIMENTATION EN ENERGIE DE DECLENCHEURS ELECTRONIQUES

Publication

**EP 0928509 A1 19990714 (DE)**

Application

**EP 97911117 A 19970924**

Priority

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- DE 29617367 U 19960924

Abstract (en)

[origin: US6150739A] PCT No. PCT/DE97/02215 Sec. 371 Date Mar. 24, 1999 Sec. 102(e) Date Mar. 24, 1999 PCT Filed Sep. 24, 1997 PCT Pub. No. WO98/13918 PCT Pub. Date Apr. 2, 1998A circuit configuration for supplying power to electronic tripping devices from a current-transforming device. A switched-mode power supply unit, in particular a choke/step-up transforming device having a pulse-width voltage control, is connected downstream of a charging capacitor. Once a set point of the output voltage at an output capacitor is reached, only a very high pulse duty factor is provided. Particularly, maximum power point control is provided during an initial charging phase. Circuit configurations of this kind serve the power supply of overvoltage tripping devices in low-voltage and medium-voltage systems.

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IPC 8 full level

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