Title (en)

INPUT CIRCUIT FOR RELATIVELY HIGH CURRENT AC SIGNALS TO BE MONITORED

Title (de)

EINGANGSSCHALTUNG FÜR RELATIV HOCHSTROMIGE ZU ÜBERWACHENDE AC-SIGNALE

Title (fr)

CIRCUIT D'ENTREE POUR SIGNAUX DE COURANT ALTERNATIF A INTENSITE RELATIVEMENT ELEVEE A SURVEILLER

Publication

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Application

EP 00925159 A 20000401

Priority

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Abstract (en)

[origin: US6483379B1] The invention relates to an input circuit for relatively high-current alternating current-signals to be monitored. Said input circuit is provided with a capacitor (C) at the input side for supplying a relatively high input current on the basis of an AC supply voltage (L1) by the switched off device (1; 2) to be monitored. At the input side a discharge circuit (23) is provided in parallel for quickly detecting any changes of state of the device (1; 2) to be monitored. Said discharge circuit has a small discharge resistance (Rc) vis-à-vis the input resistance (Re). The discharge circuit (23) is further provided with a switch element (S3) that is blocked when the current supply voltage (L1) and the threshold voltage (Ustyp) to be recognized have the same polarity and that is conductive when they are of different polarity.

IPC 1-7

H01H 9/16; G06F 1/28

IPC 8 full level

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