

Title (en)

Circuit arrangement for energy saving operation of a relay

Title (de)

Schaltung für den energiesparenden Betrieb eines Relais

Title (fr)

Circuit pour un fonctionnement économique en énergie d'un relais

Publication

**EP 0865059 B1 20070905 (DE)**

Application

**EP 97111431 A 19970707**

Priority

CH 60597 A 19970313

Abstract (en)

[origin: EP0865059A1] The relay operating circuit returns the relay (1) to the off position upon failure of an operating circuit component, with a voltage source (2) providing current pulses at defined time intervals when the relay is in the on position. The current pulses flow through the relay and are used to charge a capacitor (3), providing the operating current for the relay in the time intervals between the current pulses.

IPC 8 full level

**H01H 47/32** (2006.01); **H01H 47/04** (2006.01)

CPC (source: EP)

**H01H 47/325** (2013.01); **H01H 47/043** (2013.01)

Cited by

CN102411314A; CN102904559A; WO0059102A1

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

**EP 0865059 A1 19980916; EP 0865059 B1 20070905; DE 59712882 D1 20071018**

DOCDB simple family (application)

**EP 97111431 A 19970707; DE 59712882 T 19970707**