

Title (en)

ENERGISING CIRCUIT FOR A CONTROL CONTACT AND ITS APPLICATION TO THE CONTROL OF AN OFF-DELAY TIMER OF A RELAY

Publication

**EP 0086689 B1 19850807 (FR)**

Application

**EP 83400210 A 19830131**

Priority

FR 8202356 A 19820212

Abstract (en)

[origin: ES8401279A1] With this circuit, a current may be caused to flow through a contact (K) controlling the voltage supply of an electronic control circuit (24), of sufficient intensity for the reliability of the contact to be good, without the current flowing in the control circuit (24) being too high and this independently of the supply voltage (terminals E, 44) applied to the supply terminals of the user circuit (U). For this, the control circuit (24) is fed with power when the contact (K) is closed, through said contact (K), a first diode (31) and a resistor (32) connected in series, whereas a piloting circuit (11), which is an integrated time delay or memory circuit associated with said user circuit (U), is then supplied through said contact (K) and a second diode (26). When contact (K) is open, said piloting circuit (11) is fed through a third diode (29) and a Zener diode (30), the second diode (26) then preventing the control circuit (24) from being supplied with power.

IPC 1-7

**H01H 47/18**

IPC 8 full level

**H01H 1/60** (2006.01); **H01H 9/54** (2006.01); **H01H 47/00** (2006.01); **H01H 47/18** (2006.01)

CPC (source: EP US)

**H01H 1/605** (2013.01 - EP US); **H01H 47/18** (2013.01 - EP US)

Cited by

EP0562959A1; FR2689258A1; US5382907A

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0086689 A1 19830824**; **EP 0086689 B1 19850807**; AT E14809 T1 19850815; CA 1194588 A 19851001; DE 3360485 D1 19850912; ES 519712 A0 19831201; ES 8401279 A1 19831201; FR 2521771 A1 19830819; FR 2521771 B1 19840413; JP S58147916 A 19830902; NO 159046 B 19880815; NO 159046 C 19881123; NO 830473 L 19830815; US 4480194 A 19841030

DOCDB simple family (application)

**EP 83400210 A 19830131**; AT 83400210 T 19830131; CA 421290 A 19830210; DE 3360485 T 19830131; ES 519712 A 19830211; FR 8202356 A 19820212; JP 2137583 A 19830210; NO 830473 A 19830211; US 46619283 A 19830214