

Title (en)

Electric control for opening and closing a switch or a circuit breaker

Title (de)

Elektrisches Steuergerät zum Öffnen und Schliessen eines Last- oder Leistungsschalters

Title (fr)

Dispositif électrique de commande d'ouverture et de fermeture d'un interrupteur ou d'un disjoncteur

Publication

**EP 0720193 B1 19990428 (FR)**

Application

**EP 95410147 A 19951222**

Priority

FR 9415978 A 19941228

Abstract (en)

[origin: EP0720193A1] The opening/closing device includes two relays (3,4) which are controlled by respective closure and opening control circuits. Each of these circuits consists of a full-wave rectifier (e.g. 19a), a voltage regulator (20a), an optoelectronic coupler (21a) and a relay control circuit (22a) which enables closure and opening commands to be memorised. These commands apply voltages (U2,U3) of any magnitude to the inputs (8,9) of the closure and opening control circuits and an opening command (CO) also applies an inhibiting signal (I) to the closure control circuit. The equipment may also include a power supply circuit enabling a standard motor to drive the switch or circuit-breaker contacts or to set and release the spring of an energy storage device.

IPC 1-7

**H01H 47/22**

IPC 8 full level

**H01H 47/22** (2006.01); **H01H 3/26** (2006.01)

CPC (source: EP)

**H01H 47/22** (2013.01); **H01H 3/26** (2013.01); **H01H 2003/266** (2013.01)

Cited by

CN109716472A; FR2904469A1; US11164704B2; WO2017215865A1; WO0013283A1; WO2018054672A1; US10861656B2; US10811185B2; US11742783B2; WO2020120069A1; EP2087496A1; EP3491655B1

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

**EP 0720193 A1 19960703**; **EP 0720193 B1 19990428**; DE 69509349 D1 19990602; DE 69509349 T2 19991118; ES 2132569 T3 19990816; FR 2729005 A1 19960705; FR 2729005 B1 19970214

DOCDB simple family (application)

**EP 95410147 A 19951222**; DE 69509349 T 19951222; ES 95410147 T 19951222; FR 9415978 A 19941228