

Title (en)
CONTROL DEVICE FOR CIRCUIT BREAKERS

Title (de)
STEUERUNGSVORRICHTUNG FÜR SCHUTZSCHALTER

Title (fr)
DISPOSITIF DE CONTRÔLE POUR DISJONCTEURS

Publication
EP 3125267 B1 20180613 (EN)

Application
EP 16001625 A 20160725

Priority
IT UB20152631 A 20150730

Abstract (en)
[origin: EP3125267A1] A control device for circuit breakers, including a casing that can be coupled to an electrical device, such as a circuit breaker provided with a control for opening and closing the contacts; the casing includes a rotor that is mechanically associated with the control for opening and closing the contacts of the breaker; the control device includes an electric motor that drives a gear system by means of a worm screw; the gear system turns the rotor by means of a last gear that is actuated by the motor and a pusher gear that is integral with the rotor. The control device includes a decoupling gear, which always meshes with the last gear, and a switching means adapted to move the decoupling gear between two operating positions: an engagement position, in which the decoupling gear meshes with the pusher gear, and a neutral position, in which the decoupling gear does not mesh with the pusher wheel. In the engagement position the motor transmits motion to the rotor, which performs an operation for closing the handle of the circuit breaker.

IPC 8 full level
H01H 71/70 (2006.01); **H01H 71/02** (2006.01)

CPC (source: CN EP)
H01H 3/26 (2013.01 - CN); **H01H 3/40** (2013.01 - CN); **H01H 71/70** (2013.01 - EP); **H01H 2071/0278** (2013.01 - EP)

Cited by
CN111048328A; CN112002623A; CN109461632A; CN110752715A

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DOCDB simple family (publication)
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