

Title (en)
Control device for circuit breakers

Title (de)
Steuervorrichtung für Schutzschalter

Title (fr)
Dispositif de contrôle pour disjoncteurs

Publication
EP 2131376 A1 20091209 (EN)

Application
EP 08017546 A 20081007

Priority
IT MI20081009 A 20080603

Abstract (en)
A control device for circuit breakers comprises a casing which can be coupled to an electrical device, such as a residual current operated circuit breaker provided with a control for opening and closing the contacts. The casing comprises a drum, which is kinematically associated with the control for opening and closing the contacts of the circuit breaker. The control device includes a single electric motor, which is adapted to actuate a gear train by means of a worm screw. The gear train is suitable to turn the drum in one direction or the other by a rotation switching means.

IPC 8 full level
H01H 3/40 (2006.01); **H01H 3/46** (2006.01); **H01H 71/70** (2006.01)

CPC (source: EP)
H01H 3/40 (2013.01); **H01H 3/46** (2013.01); **H01H 71/70** (2013.01)

Citation (applicant)
US 6531938 B1 20030311 - SMITH JOSEPH R [US], et al

Citation (search report)
• [XAY] US 6531938 B1 20030311 - SMITH JOSEPH R [US], et al
• [XAY] DE 102005024270 B3 20061019 - ELLENBERGER & POENSGEN [DE]
• [Y] EP 0572970 A1 19931208 - MITSUBISHI ELECTRIC CORP [JP]
• [Y] EP 1870919 A1 20071226 - ABB SERVICE SRL [IT]
• [Y] US 3559121 A 19710126 - POWELL DAVID B, et al

Cited by
EP3125267A1; CN103325635A; CN103996578A; CN107833808A; CN103367061A; CN103996576A; CN103367060A; CN107546076A; CN103400707A; CN103400708A; CN107564775A; CN106409544A; ITUB20152631A1; WO2021208492A1

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Designated extension state (EPC)
AL BA MK RS

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