

Title (en)

UNIVERSAL CIRCUIT BREAKER ENERGY STORAGE HANDLE ANTI-JAMMING APPARATUS

Title (de)

STÖRSCHUTZVORRICHTUNG EINES ENERGIESPEICHERGRIFFS EINES UNIVERSALSCHUTZSCHALTERS

Title (fr)

APPAREIL ANTI-COINCENCEMENT DE POIGNÉE DE STOCKAGE D'ÉNERGIE DE DISJONCTEUR UNIVERSEL

Publication

EP 3531436 A4 20200429 (EN)

Application

EP 16919247 A 20161121

Priority

- CN 201610919514 A 20161021
- CN 2016106610 W 20161121

Abstract (en)

[origin: EP3531436A1] An anti-jamming device for an energy storage handle of a universal circuit breaker comprises a circuit breaker body, and an operating mechanism mounted on one side of the circuit breaker body. The energy storage handle is mounted on the outside wall of one side of the operating mechanism. The energy storage handle is rotated to manually store energy for the operating mechanism. The operating mechanism comprises a V-shaped rotating shaft, wherein one end of the V-shaped rotating shaft extends out of one sidewall of the operating mechanism, and the other end of the V-shaped rotating shaft is sleeved with a ratchet which is in linkage with the energy storage handle. A latch which is in linkage with the ratchet is arranged on one side, facing the ratchet, of the energy storage handle. The energy storage handle is rotated to drive the ratchet to rotate through the latch. An anti-jamming structure which prevents the latch and the ratchet from being jammed is arranged between the latch and the ratchet. The anti-jamming structure comprises an anti-jamming plate. The anti-jamming plate is configured to separate the latch from the ratchet when the energy storage handle is in an initial state.

IPC 8 full level

H01H 71/10 (2006.01); **H01H 3/30** (2006.01)

CPC (source: CN EP RU)

H01H 3/3031 (2013.01 - EP); **H01H 71/10** (2013.01 - CN EP RU); **H01H 3/34** (2013.01 - EP)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2018072255A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3531436 A1 20190828; **EP 3531436 A4 20200429**; **EP 3531436 B1 20211215**; BR 112019007702 A2 20190702; BR 112019007702 B1 20230103; CN 107978498 A 20180501; CN 107978498 B 20200728; ES 2908069 T3 20220427; MY 194853 A 20221220; RU 2716009 C1 20200305; WO 2018072255 A1 20180426

DOCDB simple family (application)

EP 16919247 A 20161121; BR 112019007702 A 20161121; CN 2016106610 W 20161121; CN 201610919514 A 20161021; ES 16919247 T 20161121; MY PI2019002104 A 20161121; RU 2019115091 A 20161121