Title (en)

DRIVING MECHANISM FOR A LOW VOLTAGE CIRCUIT BREAKER WITH A RATCHET WHEEL

Publication

EP 0224433 B1 19900207 (DE)

Application

EP 86730182 A 19861105

Priority

DE 3541093 A 19851118

Abstract (en)

[origin: US4742200A] For cocking an energy accumulator, an actuating device comprises a ratchet wheel with teeth as well as a reciprocating transport ratchet. For maintaining the cocked position of the energy accumulator, a cam wheel and blocking lever which can be braced against a blocking member via a ratchet lever are provided. Due to a wedge-like cooperation between a working surface of the cam wheel and a projection of the blocking lever, the blocking lever is transferred from its rest position into a blocked position if the deadcenter position of the cam wheel is exceeded. In the process, the transport ratchet is lifted from the teeth of the ratchet wheel by means of a striking surface of the blocking lever.

IPC 1-7

H01H 3/30

IPC 8 full level

H01H 3/30 (2006.01)

CPC (source: EP US)

H01H 3/3005 (2013.01 - EP US); H01H 2003/3063 (2013.01 - EP US); Y10T 74/11 (2015.01 - EP US); Y10T 74/20672 (2015.01 - EP US)

Cited by

EP0506066A1; CH682431A5; EP0296631A3; US7902472B2; WO2007090746A1; WO9529494A1

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