

Title (en)

Remote-controlled circuit-breaker with resetting cam

Title (de)

Fernbetätigter Leistungsschalter mit Rückstellnockenscheibe

Title (fr)

Disjoncteur télécommandé à came de réarmement

Publication

EP 0612091 B1 19970917 (FR)

Application

EP 94420033 A 19940202

Priority

FR 9301822 A 19930216

Abstract (en)

[origin: EP0612091A1] A remotely controlled circuit breaker includes a mechanism (42) linked to the handle (24) by a drive lever (58) equipped with a wheel (68) interacting with a resetting cam (64) of a spring-type (50) energy accumulator (48). A support surface (104) is arranged to lock the wheel (68) in set position, without requiring the presence of a special lock-in stage, given that the line of action of the reaction R of the wheel (68) passes through the transmission shaft (66) of the cam (64). A stepper motor of the vibrating type drives the transmission shaft (66) in rotation, and allows near-instantaneous stopping of the cam (64) when the wheel (68) is in contact with the support surface (104). <IMAGE>

IPC 1-7

H01H 71/70; **H01H 3/30**

IPC 8 full level

H01H 71/66 (2006.01); **H01H 3/30** (2006.01); **H01H 3/42** (2006.01); **H01H 71/70** (2006.01); **H01H 75/02** (2006.01)

CPC (source: EP KR US)

H01H 3/3031 (2013.01 - EP US); **H01H 71/12** (2013.01 - KR); **H01H 71/70** (2013.01 - EP US); **H01H 1/2041** (2013.01 - EP US); **H01H 2071/665** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

DE ES GB IT

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EP 0612091 A1 19940824; **EP 0612091 B1 19970917**; CN 1036959 C 19980107; CN 1095185 A 19941116; DE 69405602 D1 19971023; DE 69405602 T2 19980226; ES 2109642 T3 19980116; FR 2701596 A1 19940819; FR 2701596 B1 19950414; JP 3429835 B2 20030728; JP H06251687 A 19940909; KR 100300369 B1 20011130; KR 940020446 A 19940916; RU 2127924 C1 19990320; US 5504290 A 19960402

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EP 94420033 A 19940202; CN 94102780 A 19940215; DE 69405602 T 19940202; ES 94420033 T 19940202; FR 9301822 A 19930216; JP 1836194 A 19940215; KR 19940002746 A 19940216; RU 94004988 A 19940215; US 19153594 A 19940204