

Title (en)

Circuit breaker and method of tripping a circuit breaker

Title (de)

Schutzschalter und Verfahren zur Auslösung eines Schutzschalters

Title (fr)

Disjoncteur et procédé de déclenchement d'un disjoncteur

Publication

**EP 2669923 A1 20131204 (EN)**

Application

**EP 12382222 A 20120601**

Priority

EP 12382222 A 20120601

Abstract (en)

A circuit breaker includes a trigger assembly having first and second trigger members, and a tripping mechanism configured and disposed to act upon the first and second trigger members to selectively open an electrical circuit upon receipt of a mechanical trip signal input, and provide a mechanical trip signal output. The tripping mechanism includes a hammer having a first end defining an axis of rotation, a second end configured and disposed to act upon one of the first and trigger members and an intermediate portion spaced from each of the first and second ends. A spring member includes an end section arranged to act upon the intermediate portion. The spring member is configured and disposed to apply a force to the intermediate portion to urge the hammer about the axis of rotation to cause the second end to disengage from the one of the first and second trigger members.

IPC 8 full level

**H01H 71/10** (2006.01); **H01H 3/46** (2006.01); **H01H 71/52** (2006.01); **H01H 73/12** (2006.01); **H01H 83/04** (2006.01)

CPC (source: EP)

**H01H 71/1018** (2013.01); **H01H 71/1027** (2013.01); **H01H 3/46** (2013.01); **H01H 71/528** (2013.01); **H01H 73/12** (2013.01); **H01H 83/04** (2013.01)

Citation (search report)

- [XYI] DE 19534612 A1 19960502 - SANKEN AIRPAX CO LTD [JP]
- [Y] EP 2360706 A1 20110824 - BTICINO SPA [IT]
- [A] DE 102010019741 A1 20111110 - SIEMENS AG [DE]
- [Y] DE 19933166 A1 20010118 - HAGER ELECTRO GMBH [DE]

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2669923 A1 20131204**; **EP 2669923 B1 20150902**; CN 103456572 A 20131218; CN 103456572 B 20161228

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**EP 12382222 A 20120601**; CN 201310215734 A 20130531