

Title (en)

CIRCUIT BREAKER, IN PARTICULAR FOR LOW VOLTAGES

Title (de)

LEISTUNGSSCHALTER, INSBESONDERE FÜR NIEDERSpannungen

Title (fr)

COMMUTATEUR DE PUISSANCE, EN PARTICULIER POUR BASSES TENSIONS

Publication

**EP 2489052 A1 20120822 (DE)**

Application

**EP 10765418 A 20101006**

Priority

- DE 102009050296 A 20091015
- EP 2010064896 W 20101006

Abstract (en)

[origin: WO2011045214A1] The invention relates to a circuit breaker, in particular for low voltages, having a switch shaft (1a) and a contact lever (4) rotationally mounted and extending transverse to the longitudinal axis of the switch shaft (1a) and protruding out of the switch shaft (1a), said shaft carrying a movable contact on a side of the outer contour of the contact piece (5), and comprising a recess (6) on the opposite side of the outer contour thereof for suspending a pin (7) having a force applied thereto on both sides of the contact lever (4) by means of one spring (7a) each, each applying a torque to the contact lever (4) in the closing direction. In order to ensure the function of the circuit breaker by means of a cover having a simple design and simple to assemble, the invention proposes that the two springs (7a) each comprise a cover element (10) extending along the spring (7a) and each disposed between the spring (7a) and the arc formed between the contact pieces (5) when the circuit breaker is opened.

IPC 8 full level

**H01H 1/20** (2006.01); **H01H 73/04** (2006.01)

CPC (source: EP US)

**H01H 1/205** (2013.01 - EP US); **H01H 1/2058** (2013.01 - EP US); **H01H 73/045** (2013.01 - EP US)

Citation (search report)

See references of WO 2011045214A1

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)

**WO 2011045214 A1 20110421**; CN 102549694 A 20120704; CN 102549694 B 20150415; DE 102009050296 A1 20110421; EP 2489052 A1 20120822; US 2012199453 A1 20120809; US 8872050 B2 20141028

DOCDB simple family (application)

**EP 2010064896 W 20101006**; CN 201080046393 A 20101006; DE 102009050296 A 20091015; EP 10765418 A 20101006; US 201013500735 A 20101006