

Title (en)
Circuit breaker

Title (de)
Leistungsschalter

Title (fr)
Dispositif de coupure

Publication
EP 2365510 A1 20110914 (FR)

Application
EP 10354083 A 20101129

Priority
FR 1000821 A 20100301

Abstract (en)
The device has a phase mobile contact and a neutral mobile contact that are carried by a first end of contact arms. Each arm is mounted around a pivot (21) for allowing pivoting of the arm toward a closing position of the contacts. Contact pressure units comprise two torsion springs acting independently and respectively on the contact arms. Each spring is arranged with respect to the arms on which the springs act such that a rotation axis of the springs is shifted toward a second end of the arms with respect to a pivot axis.

Abstract (fr)
Un dispositif de coupure à boîtier isolant renfermant des contacts mobiles portés par une première extrémité de respectivement au moins deux bras de contact monté autour d'un pivot (21) pour autoriser un pivotement dudit bras de contact vers une position de fermeture desdits contacts, ledit dispositif comportant des moyens de pression de contact comportant deux ressorts de torsion (31, 32) agissant indépendamment sur chacun desdits bras de contact, chaque ressort de torsion étant agencé par rapport au bras de contact sur lequel il agit de manière que l'axe de rotation dudit ressort soit décalé vers une seconde extrémité dudit bras de contact, par rapport à l'axe dudit pivot.

IPC 8 full level
H01H 71/00 (2006.01); **H01H 71/52** (2006.01)

CPC (source: EP)
H01H 71/002 (2013.01); **H01H 71/526** (2013.01)

Citation (applicant)
• EP 0042778 A1 19811230 - MERLIN GERIN [FR]
• EP 0295158 A1 19881214 - MERLIN GERIN [FR]

Citation (search report)
• [A] EP 1146534 A1 20011017 - FELTEN & GUILLEAUME KG [AT]
• [A] JP H0431243 U 19920313
• [A] EP 0569650 A1 19931118 - HAGER ELECTRO [FR]
• [A] EP 0696041 A1 19960207 - LEGRAND SA [FR], et al
• [A] EP 0208614 A1 19870114 - TELEMECANIQUE ELECTRIQUE [FR]

Cited by
CN104167333A; EP3171385A4

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 2365510 A1 20110914; EP 2365510 B1 20131113; CN 102194617 A 20110921; CN 102194617 B 20141231; ES 2531060 T3 20150310; FR 2956922 A1 20110902; FR 2956922 B1 20120824; RU 2011107621 A 20120910; RU 2549366 C2 20150427

DOCDB simple family (application)
EP 10354083 A 20101129; CN 201110048623 A 20110301; ES 10354083 T 20101129; FR 1000821 A 20100301; RU 2011107621 A 20110228