

Title (en)

Medium-voltage cutting device including a vacuum tube

Title (de)

Mittelspannungs-AbschaltungsVorrichtung einschließlich einer Vakuumlampe

Title (fr)

Dispositif de coupure moyenne tension comprenant une ampoule à vide

Publication

**EP 2479769 A1 20120725 (FR)**

Application

**EP 11354078 A 20111213**

Priority

FR 1150576 A 20110125

Abstract (en)

The device has a vacuum cartridge (6) branch-connected with line-side and load-side stationary contacts (1, 2) and a rotating/sliding main movable contact (3) of a main electric circuit. The cartridge has a rod (10) passing via an enclosure (7) and supporting a movable contact (9) of the cartridge. A vacuum cartridge operating mechanism is actuated by the main contact, and actuates the rod. The mechanism has a rigid rotating rocker arm (12) connecting the rod and the main contact. The arm has articulation regions around which the arm is rotated during opening and closing operations of circuit.

Abstract (fr)

Ce dispositif de coupure de courant comprend, comme mécanisme de commande d'une ampoule à vide (6) en dérivation sur une circuit principal (1, 2, 3) à un contact principal mobile (3), un balancier (12) interceptant le contact principal mobile (3) pendant l'ouverture ou la fermeture de l'appareil et tournant pour ouvrir l'ampoule à vide tout en établissant une liaison électrique ; ce balancier est unitaire et rigide et peut tourner autour de deux points d'articulation (11, 21), l'un actif pendant les ouvertures et l'autre pendant les fermetures, pour alors permettre d'escamoter le balancier, qui, unitaire, est plus robuste.

IPC 8 full level

**H01H 33/12** (2006.01); **H01H 33/666** (2006.01)

CPC (source: EP US)

**H01H 33/126** (2013.01 - EP US); **H01H 33/6661** (2013.01 - EP US)

Citation (applicant)

- US 5168139 A 19921201 - BETTGE HANS [DE], et al
- FR 2721434 A1 19951222 - SCHNEIDER ELECTRIC SA [FR]
- FR 2937786 A1 20100430 - AREVA T & D SA [FR]

Citation (search report)

- [A] EP 2182536 A1 20100505 - AREVA T & D SAS [FR]
- [A] WO 2010136424 A1 20101202 - AREVA T & D SAS [FR], et al
- [A] FR 2675304 A1 19921016 - GEC ALSTHOM ENERGIE INC [CA]

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EP3073504A1; FR3034251A1; US11948765B2; EP2927926A1; EP2879146A1; EP3046129A1; EP3046128A1; WO2021083609A1

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 2479769 A1 20120725; EP 2479769 B1 20141022**; AU 2012200370 A1 20120809; AU 2012200370 B2 20140501; BR 102012001647 A2 20150721; BR 102012001647 B1 20200519; CN 102623234 A 20120801; CN 102623234 B 20151216; ES 2525080 T3 20141217; FR 2970809 A1 20120727; FR 2970809 B1 20130222; RU 2012102335 A 20130727; RU 2578174 C2 20160320; US 2012187090 A1 20120726; US 9058948 B2 20150616

DOCDB simple family (application)

**EP 11354078 A 20111213**; AU 2012200370 A 20120123; BR 102012001647 A 20120124; CN 201210008315 A 20120112; ES 11354078 T 20111213; FR 1150576 A 20110125; RU 2012102335 A 20120124; US 201113337509 A 20111227