

Title (en)

Electrical contact device with efficient cutting

Title (de)

Elektrische Kontaktvorrichtung mit leistungsfähiger Unterbrechung

Title (fr)

Dispositif de contact électrique à coupure performante

Publication

EP 2518746 B1 20180718 (FR)

Application

EP 12163351 A 20120405

Priority

FR 1153598 A 20110427

Abstract (en)

[origin: EP2518746A1] The device has a movable contact element (2) moving between cut-off and contact positions relative to a fixed contact element (1). Current paths (31, 32) are connected together in a direction to undergo an electromagnetic force produced by flow of current. The force is converted into a support force to support the movable contact element by rotating the movable contact element around a rotation axle (X) on a support (41). The movable contact element moves between the positions by the movement of support. A distance between the paths remains constant during the movement of the contact element.

IPC 8 full level

H01H 1/54 (2006.01)

CPC (source: EP)

H01H 1/54 (2013.01); **H01H 2001/2091** (2013.01)

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)

EP 2518746 A1 20121031; EP 2518746 B1 20180718; CN 102760586 A 20121031; CN 102760586 B 20160316; FR 2974660 A1 20121102; FR 2974660 B1 20180525; PL 2518746 T3 20190131; RU 2012114088 A 20131020; RU 2598539 C2 20160927

DOCDB simple family (application)

EP 12163351 A 20120405; CN 201210121559 A 20120423; FR 1153598 A 20110427; PL 12163351 T 20120405; RU 2012114088 A 20120410