

Title (en)

SWITCHING DEVICE, MORE PARTICULARLY A LOAD INTERRUPTER SWITCH, FOR MEDIUM-VOLTAGE SWITCHING SYSTEMS

Title (de)

SCHALTGERÄT, INSBESONDERE LASTTRENNSCHALTER, FÜR MITTELSPANNUNGS-SCHALTANLAGEN

Title (fr)

APPAREIL DE COMMUTATION, EN PARTICULIER INTERRUPTEUR SECTIONNEUR, POUR INSTALLATIONS DE COMMUTATION MOYENNE TENSION

Publication

EP 2789000 B1 20180103 (DE)

Application

EP 13700673 A 20130111

Priority

- DE 102012200962 A 20120124
- EP 2013050491 W 20130111

Abstract (en)

[origin: WO2013110511A1] In order to construct a switching device, particularly a load interrupter switch, for medium-voltage switching systems, with a compact design that can be produced cost-effectively, the invention relates to a switching device, particularly a load interrupter switch (1), for medium-voltage switching systems, comprising a main contact system formed from a first fixed contact (2) and a second fixed contact (3), which are diametrically opposite from one another, and a moving contact (4) rotatable by means of a rotary support (7) arranged centrally between the first fixed contact (2) and the second fixed contact (3), forming a main current path in a first position of the rotatable moving contact (4) and forming an isolation path in a second position of the rotatable moving contact (4) as well as a secondary current path formed from the first fixed contact (2), the second fixed contact (3), a blow-out contact system (9) as well as a first sliding contact (15) and a second sliding contact (16) for forming a conductive connection to the rotatable moving contact (4) in an angle of rotation range of the rotatable moving contact (4) between the first position and the second position such that, if a rotary motion of the rotatable moving contact (4) is initiated, commutation of an alternating current flowing through the switching device from the main current path to the secondary current path is enabled, wherein the rotatable moving contact (4) has means (18, 19) for interrupting the blow-out contact system (20), and formation of the isolation path is enabled in the event of an extinguished arc and initiation of further rotational movement.

IPC 8 full level

H01H 33/12 (2006.01); **H01H 3/42** (2006.01); **H01H 31/00** (2006.01); **H01H 33/02** (2006.01); **H01H 33/666** (2006.01)

CPC (source: EP)

H01H 33/122 (2013.01); **H01H 33/128** (2013.01); **H01H 33/6661** (2013.01); **H01H 3/42** (2013.01); **H01H 31/003** (2013.01); **H01H 33/022** (2013.01)

Cited by

EP3843117A1

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)

DE 102012200962 A1 20130725; **DE 102012200962 B4 20180726**; CN 104054150 A 20140917; CN 104054150 B 20170531; EP 2789000 A1 20141015; EP 2789000 B1 20180103; NO 2922890 T3 20180127; WO 2013110511 A1 20130801

DOCDB simple family (application)

DE 102012200962 A 20120124; CN 201380005529 A 20130111; EP 13700673 A 20130111; EP 2013050491 W 20130111; NO 13798609 A 20131120