

Title (en)

Interlock device for electrical circuit breakers, kit of parts including such device, and multipole circuit breaker

Title (de)

Sperrvorrichtung für elektrische Schutzschalter, Kit mit Teilen mit einer derartigen Vorrichtung und mehrpoliger Schutzschalter

Title (fr)

Dispositif de verrouillage pour disjoncteurs électriques, kits de pièces comportant ce dispositif, et disjoncteur multiple

Publication

EP 2073231 A1 20090624 (EN)

Application

EP 07425812 A 20071221

Priority

EP 07425812 A 20071221

Abstract (en)

Interlock device (1) suitable to be arranged within an electric panel or box in order to prevent that first (Sw-sx) and second (Sw-dx) electrical circuit breakers are both in a closed state. The interlock device (1) is intended to be sandwiched between facing side walls (2c, 3b) belonging to the first and second electrical circuit breakers respectively, and it comprises first (15) and second (16) secondary control members suitable to be operatively movable through respective openings (10, 11) provided on the facing side walls (2c, 3b) of the first (Sw-sx) and second (Sw-dx) circuit breakers. The side arrangement of the interlock device, and the ability thereof to laterally act with the circuit breakers allow applying front implements to the circuit breakers, while obtaining an interlock device suitable to reduce the thickness dimensions inside the electric panel, and characterized by a relatively easy structure both from the point of view of the components which are employed, and the operation thereof.

IPC 8 full level

H01H 9/26 (2006.01)

CPC (source: EP)

H01H 9/26 (2013.01); **H01H 50/323** (2013.01); **H01H 71/1018** (2013.01)

Citation (search report)

- [XYA] EP 0383700 A1 19900822 - MERLIN GERIN [FR]
- [YAX] FR 2473218 A1 19810710 - CEM COMP ELECTRO MEC [FR]

Cited by

CN103050305A; EP2521151A1; EP2360706A1; CN102163509A; ITRM20100072A1; US2022220777A1; US11885156B2; US8704114B2; WO2013071971A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2073231 A1 20090624; **EP 2073231 B1 20101110**; AT E488019 T1 20101115; AT E519211 T1 20110815; CN 101903964 A 20101201; CN 101903964 B 20130807; DE 602007010496 D1 20101223; EP 2259278 A1 20101208; EP 2259278 B1 20110803; ES 2356152 T3 20110405; ES 2370696 T3 20111221; PL 2073231 T3 20110429; PL 2259278 T3 20111230; RU 2010130305 A 20120127; RU 2467424 C2 20121120; WO 2009080442 A1 20090702

DOCDB simple family (application)

EP 07425812 A 20071221; AT 07425812 T 20071221; AT 10176903 T 20071221; CN 200880121486 A 20081127; DE 602007010496 T 20071221; EP 10176903 A 20071221; EP 2008066362 W 20081127; ES 07425812 T 20071221; ES 10176903 T 20071221; PL 07425812 T 20071221; PL 10176903 T 20071221; RU 2010130305 A 20081127