

Title (en)

CONTACTING DEVICE FOR CONTACTING A SHIELDING CONDUCTOR OF AN ELECTRICAL LINE WITH A GROUNDING SECTION

Title (de)

KONTAKTIERUNGSEINRICHTUNG ZUM KONTAKTIEREN EINES SCHIRMLEITERS EINER ELEKTRISCHEN LEITUNG MIT EINEM ERDUNGSABSCHNITT

Title (fr)

DISPOSITIF DE CONTACT POUR LA MISE EN CONTACT ÉLECTRIQUE D'UN CONDUCTEUR DE PROTECTION D'UNE LIGNE ÉLECTRIQUE AVEC UNE SECTION DE MISE À LA TERRE

Publication

EP 3465830 A1 20190410 (DE)

Application

EP 17731481 A 20170601

Priority

- DE 102016110393 A 20160606
- EP 2017063393 W 20170601

Abstract (en)

[origin: WO2017211696A1] A contacting device (1) for contacting a shielding conductor (20) of an electrical line (2) with a grounding section (3) comprises a housing (10) enclosing a receptacle space (14), into which an electrical line (2) having a shielding conductor (20) is insertable, wherein the housing (10) is attachable to a grounding section (3) in such a way that the grounding section (3) extends in the receptacle space (14). In addition, a spring element (11) arranged on the housing (10) pivotably about a pivoting axis (S) is provided, which spring element is pivotable from an opening position into a clamping position in order, in the clamping position, to contact a shielding conductor (20) of an electrical line (2) inserted into the receptacle space (14) with a grounding section (3) to which the housing (10) is attached. In this way, a contacting device is provided which enables reliable and durable contacting of a shielding conductor of an electrical line with a grounding section, for example of a busbar or a housing edge of an electrical installation (e.g. a switchgear cabinet), at the same time is simple to operate and, under certain circumstances, is also re-releasable from a clamping position.

IPC 8 full level

H01R 4/48 (2006.01); **H01R 4/50** (2006.01); **H01R 4/64** (2006.01); **H01R 4/66** (2006.01)

CPC (source: EA EP US)

H01R 4/48365 (2023.08 - EA EP US); **H01R 4/489** (2013.01 - EA US); **H01R 4/66** (2013.01 - EA US); **H01R 9/0527** (2013.01 - EP); **H01R 13/6592** (2013.01 - EP); **H01R 4/5008** (2013.01 - EA); **H01R 4/646** (2013.01 - EA)

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)

DE 102016110393 A1 20171207; BR 112018074857 A2 20190306; CN 109314325 A 20190205; EA 201892551 A1 20190531; EP 3465830 A1 20190410; EP 3465830 B1 20230802; JP 2019521501 A 20190725; JP 6910430 B2 20210728; US 11114775 B2 20210907; US 2020313315 A1 20201001; WO 2017211696 A1 20171214

DOCDB simple family (application)

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