

Title (en)
CONNECTION DEVICE FOR CONNECTING A SHIELD CONDUCTOR OF AN ELECTRIC LINE TO A GROUNDING SECTION

Title (de)
ANSCHLUSSEINRICHTUNG ZUM ANSCHLIEßEN EINES SCHIRMLEITERS EINER ELEKTRISCHEN LEITUNG AN EINEN ERDUNGSABSCHNITT

Title (fr)
DISPOSITIF DE CONNEXION POUR LA CONNEXION D'UN CONDUCTEUR DE BLINDAGE D'UNE LIGNE ÉLECTRIQUE À UNE SECTION DE MISE À LA TERRE

Publication
EP 3776739 A1 20210217 (DE)

Application
EP 19712965 A 20190320

Priority
• BE 201805225 A 20180403
• EP 2019056906 W 20190320

Abstract (en)
[origin: WO2019192842A1] The invention relates to a connection device (1) for connecting a shield conductor (20) of an electric line (2) to a grounding section (3), comprising a housing (10) that encloses a receiving area (12) into which an electric line (2) can be inserted along a longitudinal axis (L) together with a shield conductor (20). Additionally, a spring element (11) which is arranged on the housing (10) in an adjustable manner is provided, said spring element having a clamping limb (13) and being movable out of an open position into a clamping position relative to the housing (10) in order to act on a shield conductor (20) of an electric line (2) inserted into the receiving area (12) by means of the clamping limb (13) in the clamping position, wherein the clamping limb (13) has a contact section (130) for acting on the shield conductor (20), said contact section having a contoured contact section (K), which is curved or angled at least in some sections on a face facing the shield conductor (20) when viewed on a plane (A) perpendicular to the longitudinal axis (L).

IPC 8 full level
H01R 4/48 (2006.01); **H01R 4/64** (2006.01); **H01R 13/24** (2006.01)

CPC (source: EP US)
H01R 4/4809 (2013.01 - US); **H01R 4/4821** (2023.08 - EP); **H01R 4/484** (2023.08 - EP); **H01R 4/646** (2013.01 - EP US); **H01R 9/2691** (2013.01 - US); **H01R 13/2464** (2013.01 - US); **H01R 13/2492** (2013.01 - EP); **H01R 4/4814** (2023.08 - EP); **H01R 4/4823** (2023.08 - EP); **H01R 4/4842** (2023.08 - EP); **H01R 9/0527** (2013.01 - EP)

Citation (search report)
• [XY] EP 0780923 A2 19970625 - HAGER ELECTRO GMBH [DE]
• [Y] DE 20003081 U1 20000420 - LUETZE FRIEDRICH ELEKTRO [DE]
• [Y] US 2017125991 A1 20170504 - KORCZ KRZYSZTOF [US], et al
• [X] DE 102016110393 A1 20171207 - PHOENIX CONTACT GMBH & CO [DE]
• [Y] DE 3428054 A1 19860206 - SIEMENS AG [DE]
• See also references of WO 2019192842A1

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)
WO 2019192842 A1 20191010; BE 1026171 A1 20191025; BE 1026171 B1 20191030; CN 111937246 A 20201113; CN 111937246 B 20220701; EP 3776739 A1 20210217; JP 2021519499 A 20210810; JP 7125506 B2 20220824; US 11128064 B2 20210921; US 2021013636 A1 20210114

DOCDB simple family (application)
EP 2019056906 W 20190320; BE 201805225 A 20180403; CN 201980023527 A 20190320; EP 19712965 A 20190320; JP 2020554182 A 20190320; US 201917043013 A 20190320