

Title (en)
SPRING CLAMP CONTACT FOR CONNECTING AN ELECTRICAL CONDUCTOR, CONDUCTOR CONNECTION TERMINAL AND METHOD FOR MANUFACTURING A SPRING CLAMP CONTACT

Title (de)
FEDERKLEMMKONTAKT ZUR KONTAKTIERUNG ELEKTRISCHER LEITER, LEITERANSCHLUSSKLEMME UND VERFAHREN ZUR HERSTELLUNG EINES FEDERKLEMMKONTAKTS

Title (fr)
CONTACT À SERRAGE PAR RESSORT POUR CONNECTER UN CONDUCTEUR ÉLECTRIQUE, BORNE DE CONNEXION DE CONDUCTEUR ET MÉTHODE DE FABRICATION D'UN CONTACT À SERRAGE PAR RESSORT

Publication
EP 3324490 B1 20200422 (DE)

Application
EP 17202130 A 20171116

Priority
DE 102016122238 A 20161118

Abstract (en)
[origin: US2018145428A1] A spring terminal contact for contact-connection of electrical conductors to at least one busbar and at least one clamping spring, which has a resting limb, a spring bend adjoining the resting limb and a clamping limb adjoining the spring bend. The clamping limb has a clamping section at the free end, and frame parts extend away from the busbar, each frame part having two side webs spaced apart from one another and the side webs having transverse webs connecting to one another and a conductor passage opening formed by the side webs and the transverse webs. The at least one clamping spring is secured to the at least one busbar by the resting limb of the clamping spring resting on a transverse web and/or a holding element of the busbar such that the clamping section acts under the spring force of the clamping spring in the direction of the busbar.

IPC 8 full level
H01R 4/48 (2006.01); **H01R 9/24** (2006.01); **H01R 12/51** (2011.01); **H01R 101/00** (2006.01)

CPC (source: CN EP KR US)
H01R 4/4809 (2013.01 - US); **H01R 4/4821** (2023.08 - CN EP KR); **H01R 4/48365** (2023.08 - US); **H01R 4/48455** (2023.08 - US); **H01R 4/485** (2023.08 - CN EP KR); **H01R 11/01** (2013.01 - US); **H01R 13/18** (2013.01 - CN); **H01R 13/187** (2013.01 - CN); **H01R 13/2407** (2013.01 - CN); **H01R 13/2442** (2013.01 - KR); **H01R 13/2464** (2013.01 - CN); **H01R 4/483** (2023.08 - CN EP KR); **H01R 9/2416** (2013.01 - EP US); **H01R 12/515** (2013.01 - EP US); **H01R 2101/00** (2013.01 - EP US)

Citation (examination)
• EP 2551962 A1 20130130 - PHOENIX CONTACT GMBH & CO [DE]
• DE 102010009158 A1 20110825 - PHOENIX CONTACT GMBH & CO [DE]

Cited by
DE102019120306A1; DE102019120306B4

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 3324490 A1 20180523; **EP 3324490 B1 20200422**; CN 108075277 A 20180525; CN 108075277 B 20210824; DE 102016122238 A1 20180524; ES 2805048 T3 20210210; JP 2018110100 A 20180712; JP 7058972 B2 20220425; KR 102434680 B1 20220822; KR 20180056371 A 20180528; PL 3324490 T3 20201116; TW 201828537 A 20180801; TW I746658 B 20211121; US 10236597 B2 20190319; US 2018145428 A1 20180524

DOCDB simple family (application)
EP 17202130 A 20171116; CN 201711104753 A 20171110; DE 102016122238 A 20161118; ES 17202130 T 20171116; JP 2017200922 A 20171017; KR 20170149117 A 20171110; PL 17202130 T 20171116; TW 106134157 A 20171003; US 201715812145 A 20171114