

Title (en)
CONNECTOR TERMINAL WITH INSERTION FUNNEL

Title (de)
ANSCHLUSSKLEMME MIT EINFÜHRTRICHTER

Title (fr)
TERMINAL DE CONNEXION POUR L'ENTONNOIR D'INSERTION

Publication
EP 3799211 B1 20221005 (DE)

Application
EP 20187941 A 20200727

Priority
DE 102019125895 A 20190926

Abstract (en)
[origin: CN112563767A] The invention relates to a jointing clamp, comprising a contact cage having a cage bottom, a cage top and two cage side walls, which together form a circumferential surface and enclose a conductor receiving space; a clamping element comprising a clamping position formed by a spring element and a mating support for holding and electrically contacting the electrical conductor; a cage including an end-side conductor insertion opening surrounded by the cage side wall, the cage top portion, and the cage bottom portion, and through which the electrical conductor can be inserted into the conductor receiving space and guided to the clamping position; wherein the contact cage comprises a contact cage longitudinal axis; and a contact cage including a standard cross-sectional profile extending from an end side of the contact cage to an end portion of the contact cage opposite to the end side, a circumferential surface of the contact cage being provided in a region downstream of the conductor insertion opening in an insertion direction so as to contract and narrow the conductor accommodation space, based on the contracted circumferential surface, a guide slope arranged in the standard cross-sectional profile is formed in the region of a conductor insertion opening which moves the conductor in the direction of the longitudinal axis of the contact cage.

IPC 8 full level
H01R 4/48 (2006.01); **H01R 12/51** (2011.01); **H01R 43/22** (2006.01)

CPC (source: CN EP US)
H01R 4/48185 (2023.08 - CN US); **H01R 4/48275** (2023.08 - EP); **H01R 12/515** (2013.01 - EP)

Citation (examination)
DE 102015115791 B4 20170504 - WAGO VERWALTUNGS GMBH [DE]

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 3799211 A1 20210331; **EP 3799211 B1 20221005**; CN 112563767 A 20210326; CN 112563767 B 20220531;
DE 102019125895 A1 20210401; DE 102019125895 B4 20210610; PL 3799211 T3 20230130; US 11217910 B2 20220104;
US 2021098901 A1 20210401

DOCDB simple family (application)
EP 20187941 A 20200727; CN 202010998880 A 20200922; DE 102019125895 A 20190926; PL 20187941 T 20200727;
US 202016945889 A 20200802