

Title (en)

Method for the electrically conductive connection of a stranded conductor with a contact element

Title (de)

Verfahren zum elektrisch leitenden Verbinden eines Litzenleiters mit einem Kontaktelement

Title (fr)

Procédé de liaison électrique conductrice d'un conducteur torsadé avec un élément de contact

Publication

**EP 2747205 B1 20210414 (DE)**

Application

**EP 12306605 A 20121218**

Priority

EP 12306605 A 20121218

Abstract (en)

[origin: EP2747205A1] The method involves electric-conductively connecting an end of a stranded conductor (3) to a rectangular contact point (6) that is formed on an electrical contact element (1) destroying oxide layers of wires (4), where the conductor contains the wires made of aluminum or aluminum alloy. Upper layers of the oxide layers surrounding the wires are destroyed by the electrical contact element. A structural component is integrally connected to the contact element and formed as a mechanical holding part (2) that is crimped around the stranded conductor at a distance from the contact point.

IPC 8 full level

**H01R 43/02** (2006.01); **H01R 4/18** (2006.01); **H01R 4/62** (2006.01); **H01R 43/048** (2006.01)

CPC (source: EP US)

**H01R 4/187** (2013.01 - EP US); **H01R 4/62** (2013.01 - EP US); **H01R 43/0207** (2013.01 - EP US); **H01R 43/048** (2013.01 - EP US); **H01R 4/625** (2013.01 - EP US); **Y10T 29/49179** (2015.01 - EP US); **Y10T 29/49185** (2015.01 - EP US)

Citation (examination)

- JP 2011165618 A 20110825 - HITACHI CABLE
- JP 2011060778 A 20110324 - HITACHI CABLE
- DE 102010039649 A1 20110310 - YAZAKI CORP [JP]

Cited by

EP3270464A1

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 2747205 A1 20140625**; **EP 2747205 B1 20210414**; BR 102013032275 A2 20140902; US 2014165394 A1 20140619

DOCDB simple family (application)

**EP 12306605 A 20121218**; BR 102013032275 A 20131216; US 201314102863 A 20131211