

Title (en)

Contact element and method of contacting a wire with such a contact element

Title (de)

Kontaktelement und Verfahren zum Kontaktieren eines Drahtes mit einem solchen Kontaktelement

Title (fr)

Élément de contact et procédé de mise en contact d'un fil en acier doté d'un tel élément de contact

Publication

EP 2357706 A1 20110817 (DE)

Application

EP 11001111 A 20110211

Priority

DE 102010008285 A 20100217

Abstract (en)

The element (2) has a head part (4) widened opposite to a section (2a), which is adjacent to the head, where the element is made of a material such as chromium-nickel steel material with higher melting temperature in comparison to a melting temperature of a strand-like medium (3) i.e. copper wire. The section is wound with the copper wire, and the head part is curved on a side turned towards the section and/or tapered from the section. The head part comprises a middle section (4a) and a lateral section that is limited transverse to longitudinal extension of the section. An independent claim is also included for a method for contacting a strand-like medium.

Abstract (de)

Ein Kontaktelement (2) ist zur Kontaktierung eines strangförmigen leitenden Mediums (3), insbesondere von Kupferlackdraht ausgebildet. Das Kontaktelement (2) besteht im Wesentlichen aus einem Werkstoff mit einer im Vergleich zur Schmelztemperatur des strangförmigen Mediums (3) höheren Schmelztemperatur. Das Kontaktelement (2) weist ein Kopfteil (4) auf, welches gegenüber einem an das Kopfteil (4) anschließenden Abschnitt (2a) des Kontaktelementes (2) verbreitert ausgebildet ist.

IPC 8 full level

H01R 4/14 (2006.01); **H01R 4/62** (2006.01)

CPC (source: EP)

H01R 4/14 (2013.01); **H01R 4/62** (2013.01); **H01R 4/625** (2013.01); **H01R 13/03** (2013.01)

Citation (search report)

- [Y] EP 1032077 A2 20000830 - AUTO KABEL MAN GMBH [DE]
- [Y] US 6537113 B1 20030325 - CHEN CHEN CHUN [TW]
- [Y] EP 1734544 A1 20061220 - YCL MECHANICAL CO LTD [TW]
- [AP] EP 2219268 A1 20100818 - TELSONIC HOLDING AG [CH]

Cited by

CN103947046A; WO2013075842A3

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 BA ME

DOCDB simple family (publication)

EP 2357706 A1 20110817; DE 102010008285 A1 20110818

DOCDB simple family (application)

EP 11001111 A 20110211; DE 102010008285 A 20100217