

Title (en)

CONTACT ELEMENT AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

KONTAKTELEMENT UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

ÉLÉMENT DE CONTACT ET PROCÉDÉ DE FABRICATION DUDIT ÉLÉMENT DE CONTACT

Publication

**EP 2791395 A1 20141022 (DE)**

Application

**EP 12779021 A 20121019**

Priority

- DE 102011088211 A 20111212
- EP 2012070763 W 20121019

Abstract (en)

[origin: WO2013087268A1] The invention relates to a contact element for a solder-free electrical connection. The contact element has at least one contact section that is designed to produce an electrical contact, in particular by means of insulation displacement terminations and/or a spring contact and/or crimping and/or riveting and/or screwing and/or caulking and/or folding and/or bending of a stamped grid. The invention also relates to a stannous surface coating that covers the contact element at least in sections. In order to provide a contact element having a lead-free surface coating that prevents whisker growth or minimizes such growth to a large extent, the surface coating contains between 15 and 73 mass percent of silver.

IPC 8 full level

**C25D 3/60** (2006.01); **C25D 3/64** (2006.01)

CPC (source: EP US)

**C25D 3/56** (2013.01 - US); **C25D 3/60** (2013.01 - EP US); **C25D 3/64** (2013.01 - EP US); **H01B 1/02** (2013.01 - US); **H01B 1/023** (2013.01 - US); **H01B 1/026** (2013.01 - US); **H01B 7/0009** (2013.01 - US); **C25D 5/48** (2013.01 - EP US); **H01R 13/03** (2013.01 - EP US)

Citation (search report)

See references of WO 2013087268A1

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)

**DE 102011088211 A1 20130613**; CN 103987879 A 20140813; CN 103987879 B 20171117; EP 2791395 A1 20141022; JP 2015505906 A 20150226; JP 5840802 B2 20160106; KR 20140100958 A 20140818; US 2014299351 A1 20141009; WO 2013087268 A1 20130620

DOCDB simple family (application)

**DE 102011088211 A 20111212**; CN 201280060972 A 20121019; EP 12779021 A 20121019; EP 2012070763 W 20121019; JP 2014546375 A 20121019; KR 20147015797 A 20121019; US 201214364397 A 20121019