

Title (en)  
METHOD FOR PRODUCTION OF AN ELECTRICAL CONNECTION BETWEEN AN ALUMINIUM CONDUCTOR AND A CONTACT ELEMENT

Title (de)  
VERFAHREN ZUM HERSTELLEN EINER ELEKTRISCHEN VERBINDUNG ZWISCHEN EINEM ALUMINIUMLEITER UND EINEM KONTAKTELEMENT

Title (fr)  
PROCEDE POUR ETABLIR UNE LIAISON ELECTRIQUE ENTRE UN CONDUCTEUR EN ALUMINIUM ET UN ELEMENT DE CONTACT

Publication  
**EP 1817819 A1 20070815 (DE)**

Application  
**EP 04819620 A 20041125**

Priority  
• EP 2004013366 W 20041125  
• DE 10357048 A 20031204

Abstract (en)  
[origin: US2006208838A1] A method for producing a reliable and permanent electrical connection between an aluminum conductor and a contact element includes melting a supply of a contact-making material and forming a cohesive material connection between the aluminum conductor and the contact element by subsequent solidification in order to form the electrical connection. In order to ensure that the functions of electrical contact-making and strain relief do not interact with one another in a disadvantageous manner, the contact element is shaped to form the mechanical strain relief, after the formation of the electrical contact.

IPC 8 full level  
**H01R 4/62** (2006.01); **H01R 4/18** (2006.01); **H01R 43/02** (2006.01); **H01R 4/20** (2006.01)

CPC (source: EP US)  
**H01R 4/625** (2013.01 - EP US); **H01R 4/203** (2013.01 - EP US)

Cited by  
DE102014108347A1; DE102014206283B3; DE102011119699A1; DE202011104677U1; WO2011128225A2; DE102011089206B4

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**WO 2005055371 A1 20050616**; AT E421784 T1 20090215; BR PI0407953 A 20060307; CN 100405663 C 20080723; CN 1748343 A 20060315; DE 10357048 A1 20050721; DE 502004008930 D1 20090312; EP 1817819 A1 20070815; EP 1817819 B1 20090121; ES 2318369 T3 20090501; JP 2007513475 A 20070524; PT 1817819 E 20090324; US 2006208838 A1 20060921

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