

Title (en)

Device and method for connecting at least two electrical connections

Title (de)

Vorrichtung und Verfahren zum Verbinden zumindest zwei elektrischer Anschlüsse

Title (fr)

Dispositif et procédé de raccordement d'au moins deux connexions électriques

Publication

EP 2219269 A2 20100818 (DE)

Application

EP 09179728 A 20091217

Priority

DE 102009000827 A 20090213

Abstract (en)

The device is provided with two electrical connections which are connected together by clinching. The connections are made of materials of different rigidity. One of the connections has an opening, in which the other connection is deformed by clinching, where the opening is provided with a chamfer. One of the connections is made of a chipping alloy and the other connection is made of a ductile material, particularly copper. One of the connections is made of an alloy containing copper, zinc and lead (CuZn39Pb2) and the other connection is made of pure copper (SE-Cu58). An independent claim is also included for a method for connecting two electrical connections, particularly a pole terminal and a measuring element.

Abstract (de)

Es werden eine Vorrichtung und ein Verfahren zur Verbindung zumindest zweier elektrischer Anschlüsse vorgeschlagen, insbesondere eine Polklemme (50) und ein elektrisches Messelement (52), wobei die beiden Anschlüsse (41, 50; 44, 52) mittels Durchsetzfügens miteinander verbunden sind.

IPC 8 full level

H01R 4/06 (2006.01); **B21D 39/03** (2006.01); **H01R 11/28** (2006.01); **H01R 4/62** (2006.01); **H01R 13/03** (2006.01)

CPC (source: EP US)

B21K 25/00 (2013.01 - EP US); **H01R 4/06** (2013.01 - EP US); **H01R 4/62** (2013.01 - EP US); **H01R 11/287** (2013.01 - EP US); **H01R 13/03** (2013.01 - EP US); **Y10T 29/49117** (2015.01 - EP US)

Citation (applicant)

- DE 102004046855 B3 20060413 - SIEMENS AG [DE]
- DE 3516764 A1 19860109 - EATON CONTROLS SPA [IT]
- DE 102005039462 A1 20070301 - DAIMLER CHRYSLER AG [DE], et al
- DE 102004058452 A1 20060608 - VACUUMSCHMELZE GMBH & CO KG [DE]

Cited by

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Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2219269 A2 20100818; **EP 2219269 A3 20130116**; **EP 2219269 B1 20131120**; DE 102009000827 A1 20100819; US 2010210153 A1 20100819; US 8371884 B2 20130212

DOCDB simple family (application)

EP 09179728 A 20091217; DE 102009000827 A 20090213; US 64215409 A 20091218