

Title (en)

Connecting device for connecting a multi-strand conductor

Title (de)

Anschlussvorrichtung zum Anschluss eines Mehrlitzenleiters

Title (fr)

Dispositif de raccordement pour le raccordement d'un conducteur multibrins

Publication

**EP 2200122 A2 20100623 (DE)**

Application

**EP 09174061 A 20091026**

Priority

- DE 202008016801 U 20081219
- DE 202009010474 U 20090801

Abstract (en)

The device has a connection cage (1) interspersed by a piercing contact screw (8) at points of a circumference, where the screw contacts a multi/fine-strand conductor (11) in a contacting condition. The cage is soldered on a printed circuit board. The cage includes lateral side pieces (1a, 1b) and a side piece (1c) that is turned away from the board. Another side piece (1d) lies on the board. A connection housing (5) is arranged above the cage, and the contact screw is made of a conducting light metal alloy i.e. copper alloy. The conductor is clamped at an interior circumference of the cage.

Abstract (de)

Anschlussvorrichtung zum Anschluss wenigstens eines vorzugsweise isolierten Mehr- und/oder Feinlitzenleiters an ein Stromschienenstück, wobei a. das Stromschienenstück einen umfangsgeschlossenen Anschlusskäfig (1) bildet, und b. der Anschlusskäfig (1) an zwei Stellen seines Umfangs von einer Piercingkontaktschraube (8) durchsetzt ist, welche zur Kontaktierung des Mehr- und/oder Feinlitzenleiters (11) ausgelegt ist, den sie im kontaktierenden Zustand durchsetzt.

IPC 8 full level

**H01R 4/24** (2006.01); **H01R 12/51** (2011.01); **H01R 11/09** (2006.01); **H01R 12/57** (2011.01); **H01R 101/00** (2006.01)

CPC (source: EP US)

**H01R 4/2483** (2013.01 - EP US); **H01R 12/515** (2013.01 - EP US); **H01R 11/09** (2013.01 - EP US); **H01R 12/57** (2013.01 - EP US); **H01R 2101/00** (2013.01 - EP US)

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)

**DE 202009010474 U1 20100429**; CN 101752681 A 20100623; EP 2200122 A2 20100623; EP 2200122 A3 20140402; US 2010159737 A1 20100624; US 8002573 B2 20110823

DOCDB simple family (application)

**DE 202009010474 U 20090801**; CN 200910254156 A 20091210; EP 09174061 A 20091026; US 62749909 A 20091130