

Title (en)
Connection device with a conductor rail

Title (de)
Anschlussvorrichtung mit einer Stromschiene

Title (fr)
Dispositif de raccordement doté d'un rail conducteur

Publication
EP 2065980 A3 20120307 (DE)

Application
EP 08166584 A 20081014

Priority
DE 202007015004 U 20071029

Abstract (en)
[origin: EP2065980A2] The connecting device i.e. tension spring connector (1), has a conductor rail (3) for contacting a set of electric conductors, where the conductor rail has a coating (6) made of conductive material e.g. metal, molybdenum and carbide. The coating has a crystal-like structure or hard metal crystals, and the conductive material exhibits more hardness than material of the electric conductors. The coating is applied by a spray coating process, and the conductor rail and the electric conductors are made of copper alloy and/or aluminum alloy.

IPC 8 full level
H01R 13/03 (2006.01); **H01R 4/48** (2006.01)

CPC (source: EP)
H01R 4/26 (2013.01); **H01R 4/4852** (2023.08); **H01R 13/03** (2013.01)

Citation (search report)

- [Y] EP 1022808 A2 20000726 - WAGO VERWALTUNGS GMBH [DE]
- [Y] DE 10358686 A1 20040722 - YAZAKI CORP [JP]
- [Y] WO 2004093256 A1 20041028 - AMI DODUCO GMBH [DE], et al
- [Y] DE 10222271 A1 20030626 - LEONI AG [DE]
- [X] EP 0472040 A1 19920226 - POPP & CO GMBH [DE]
- [A] DE 102006056794 A1 20070606 - NGK SPARK PLUG CO [JP]

Cited by
EP3113288A1; DE102011085704A1; DE102013208242A1; US9876286B2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 202007015004 U1 20090312; EP 2065980 A2 20090603; EP 2065980 A3 20120307

DOCDB simple family (application)
DE 202007015004 U 20071029; EP 08166584 A 20081014