

Title (en)
Wire connecting device

Title (de)
Anschlussvorrichtung für Leiter

Title (fr)
Dispositif de connexion de fils

Publication
EP 1353407 B1 20110119 (DE)

Application
EP 03007741 A 20030404

Priority
• DE 20205821 U 20020412
• DE 20211513 U 20020713

Abstract (en)
[origin: EP1353407A1] The device has a clamp spring and preferably a bus bar in a metal cage with an insertion opening for the conductor. The spring has two long legs joined by a bend of which one is a clamping leg. The first leg is attached to and directly in contact with the inside of the first cage side wall, the bend region is in contact with at least one bridge formed on the cage and a protrusion on the inside of a cage side wall forms a stop for the leg. The device has a clamp spring (3) and preferably a bus bar in a metal cage (5) of rectangular cross-section with at least three, preferably four side walls (5a-d) and open on at least one axial end forming an insertion opening (14) for the conductor. The spring has two long legs (3a,3b) joined by a bend of which one is a clamping leg. The first leg is attached to the inside of the first side wall of the cage and directly in contact with the side wall in sections, the bend region is in contact with at least one bridge formed on the cage and a protrusion is provided on the inside of a cage side wall as a stop for the leg.

IPC 8 full level
H01R 4/48 (2006.01); **H01R 9/26** (2006.01); **H01R 11/09** (2006.01); **H01R 13/11** (2006.01); **H01R 13/115** (2006.01); **H01R 31/08** (2006.01)

CPC (source: EP US)
H01R 4/48185 (2023.08 - EP US); **H01R 4/48275** (2023.08 - EP US); **H01R 9/2616** (2013.01 - EP US); **H01R 11/09** (2013.01 - EP US); **H01R 12/515** (2013.01 - EP US); **H01R 12/57** (2013.01 - EP US); **H01R 12/716** (2013.01 - EP US); **H01R 13/113** (2013.01 - EP US); **H01R 31/085** (2013.01 - EP US); **H01R 2201/20** (2013.01 - EP US)

Cited by
DE202012103314U1; WO2018109402A1; EP3029776A1; DE202016105702U1; WO2014032979A1; DE202009002158U1; CN107104303A; EP3139445A1; CN102197539A; CN106653414A; EP3159973A1; CN108028475A; EP1763107A3; CN105874650A; EP1667286A3; CN106653415A; EP3367509A1; CN110546817A; FR3060873A1; CN110088982A; RU2747849C2; JP2013520777A; CN106340730A; DE102004062850B3; CN105449384A; CN105659436A; US9793652B2; US8535084B2; WO2021140185A1; EP1763107A2; CN102842785A; EP3324490A1; CN108075277A; EP3367508A1; DE102015107853B4; WO2012130635A1; WO2011107470A1; WO2008137103A1; WO2007137777A1; US10439305B2; DE202015008280U1; DE102020112254A1; US10103460B2; US8827739B2; US10193244B2; WO2014186813A1; WO2023139099A1; WO2017050642A1; WO2010022846A1; WO2010091984A1; US10074917B1; DE202013101751U1; WO2014173717A1; WO2014124475A3; WO2014177453A1; WO2016193236A1; WO2014067974A1; WO2023110014A1

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