

Title (en)

TANDEM MULTIFORK PUSH-IN PIN

Title (de)

TANDEM MULTI FORK EINPRESSPIN

Title (fr)

BROCHE À INSERTION À MULTIPLES FOURCHES EN TANDEM

Publication

EP 2681806 B1 20151021 (DE)

Application

EP 12701737 A 20120125

Priority

- DE 102011005073 A 20110303
- EP 2012051161 W 20120125

Abstract (en)

[origin: WO2012116860A1] The invention relates to a connector device (100) for electrically connecting a conductor (300) having a conductor plate (150) by directly plugging the connector device (100) into a first contact hole and into a second contact hole of the conductor plate (150). The connector device (100) has an attachment area (101) for attaching the conductor (300) to the connector device (100), a transfer area (103) for transferring current from the conductor (300) to the conductor plate (150), four first plug-in elements (102a-102h) which can be inserted together into the first contact hole, and four second plug-in elements (102a-102h) which can be inserted together into the second contact hole. Each of the plug-in elements (102a-102h) extends from a common main body (105) of the connector device (100) and extends separately from the other plug-in elements (102a-102h). The main body (105) is formed with the plug-in elements (102a-102h) from a resiliently bendable, electrically conducting plate which is bent in such a manner that two (102a, 102b) of the first plug-in elements (102a-102d) are at least partially congruently facing two (102c, 102d) other elements of the first plug-in elements (102a-102d) for plugging into the first contact hole (152), and that two (102e, 102f) of the second plug-in elements (102e-102h) are at least partially congruently facing two (102g, 102h) other elements of the second plug-in elements (102e-102h) for plugging into the second contact hole (154).

IPC 8 full level

H01R 12/58 (2011.01); **H01R 12/70** (2011.01); **H01R 12/75** (2011.01); **H01R 13/05** (2006.01); **H01R 13/17** (2006.01); **H01R 43/16** (2006.01); **H01R 43/20** (2006.01)

CPC (source: EP US)

H01R 12/585 (2013.01 - EP US); **H01R 12/7088** (2013.01 - EP US); **H01R 13/17** (2013.01 - US); **H01R 43/205** (2013.01 - US); **H01R 12/75** (2013.01 - EP US); **H01R 43/16** (2013.01 - EP US); **Y10T 29/4913** (2015.01 - EP US)

Cited by

DE102012012087B4

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102011005073 A1 20120906; CN 103477502 A 20131225; CN 103477502 B 20170215; EP 2681806 A1 20140108; EP 2681806 B1 20151021; HK 1192375 A1 20140815; US 2014045390 A1 20140213; US 8992236 B2 20150331; WO 2012116860 A1 20120907

DOCDB simple family (application)

DE 102011005073 A 20110303; CN 201280011431 A 20120125; EP 12701737 A 20120125; EP 2012051161 W 20120125; HK 14105415 A 20140610; US 201214002705 A 20120125