

Title (en)

Preformed Plate for an Insulation-Piercing Connector

Title (de)

Vorgeformte Platte für einen isolierungsdurchdringenden Verbinder

Title (fr)

Plaque préformée pour connecteur à perforation d'isolant

Publication

EP 2871720 A1 20150513 (EN)

Application

EP 13290276 A 20131108

Priority

EP 13290276 A 20131108

Abstract (en)

The invention relates to a preformed contact member (300, 400) for use with an insulation-piercing connector (100), wherein said insulation-piercing connector (100) comprises one or more electrically conductive insulation-piercing means (105a, 108a, 105b, 108b) for piercing an insulation layer (110, 113) of at least one insulated electrical conductor (109, 112) arranged therein, wherein the preformed contact member (300, 400) is electrically conductive and is configured for being provided on said one or more electrically conductive insulation-piercing means (105a, 108a, 105b, 108b), in particular between said one or more electrically conductive insulation-piercing means (105a, 108a, 105b, 108b) and a bare electrical conductor (512) arranged in the insulation-piercing connector (100). Said preformed contact member (300, 400) 2, further comprises one or more electrically conductive contact elements (301, 302), in particular for providing electrical contact between a respective electrically conductive insulation-piercing means (105a, 108a, 105b, 108b) of the one or more electrically conductive insulation-piercing means (105a, 108a, 105b, 108b) and a bare electrical conductor (512) while preventing direct contact therebetween.

IPC 8 full level

H01R 9/03 (2006.01); **H01R 4/24** (2006.01); **H01R 4/44** (2006.01)

CPC (source: EP US)

H01R 4/2408 (2013.01 - EP US); **H01R 4/44** (2013.01 - EP); **H01R 9/031** (2013.01 - EP US)

Citation (search report)

- [XY] EP 0599346 A2 19940601 - ARCUS ELEKTROTECH [DE]
- [X] AU 2009202376 A1 20090702 - CABLE ACCESSORIES AUSTRALIA PT
- [X] FR 2503807 A1 19821015 - VERLANT ET BEURAIN [FR]
- [Y] FR 2762449 A1 19981023 - APP MAT ELECT CONST [FR]

Cited by

US11329401B2; WO2020170188A1; US11177585B2; US11677168B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2871720 A1 20150513; EP 2871720 B1 20170628

DOCDB simple family (application)

EP 13290276 A 20131108