

Title (en)

Device for electrically connecting at least two isolated main conductors of a power supply cable, in particular tapping clamp

Title (de)

Vorrichtung zum elektrischen Verbinden von mindestens zwei Hauptleitern eines Energieversorgungskabels, insbesondere Kabelabzweigklemme

Title (fr)

Dispositif de raccordement électrique d'au moins deux conducteurs principaux isolés d'un câble d'alimentation électrique, en particulier borne de dérivation

Publication

EP 1885025 A3 20120215 (DE)

Application

EP 07009151 A 20070507

Priority

DE 102006037720 A 20060803

Abstract (en)

[origin: EP1885025A2] The device (1) has a housing with parts (10, 20) that are connectable by a screw connection (22). A pressure plate (30) stands in effective connection with the screw connection and is deformable during tightening of the screw connection. A force retained by the elastic deformation is introduced in the device after completion of the tightening process for maintaining the contact force for the electrical connection between prime conductors (2, 4, 6, 8) and shunt conductors (12, 14, 18).

IPC 8 full level

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

Citation (search report)

- [X] EP 0599346 A2 19940601 - ARCUS ELEKTROTECH [DE]
- [A] EP 0282116 A1 19880914 - LOVINK TERBORG BV [NL]
- [A] DE 20314087 U1 20031218 - ESV WERKZEUGE UND ZUBEHOER FUE [DE]
- [A] US 2005079755 A1 20050414 - SAKA YUUJI [JP], et al
- [AD] WO 0145210 A1 20010621 - FRAMATOME CONNECTORS INT [FR], et al
- [AD] EP 1513226 A1 20050309 - PFISTERER KONTAKTSYST GMBH [DE]

Cited by

EP2882040A1; CN109935497A; CN114914720A; CN108695604A; EP2360790A1; FR2956779A1; EP2360789A1; FR2956778A1; CN103138063A; US9071028B2; US9287673B2; WO2012059311A1; US11431114B2; US10840615B2; US11121480B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1885025 A2 20080206; **EP 1885025 A3 20120215**; **EP 1885025 B1 20130417**; DE 102006037720 A1 20080207; ES 2405334 T3 20130530; PL 1885025 T3 20130930

DOCDB simple family (application)

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