

Title (en)

ELECTRICAL PLUG CONNECTOR FOR ELECTRICAL CONNECTION BY MEANS OF ULTRASONIC WELDING

Title (de)

ELEKTRISCHER STECKVERBINDER ZUR ELEKTRISCHEN VERBINDUNG MITTELS ULTRASCHALLSCHWEISSEN

Title (fr)

CONNECTEUR ÉLECTRIQUE ENFICHABLE POUR ÉTABLIR UNE LIAISON ÉLECTRIQUE PAR SOUDAGE PAR ULTRASONS

Publication

EP 2812949 A1 20141217 (DE)

Application

EP 13718104 A 20130208

Priority

- DE 102012002910 A 20120211
- DE 202012001446 U 20120211
- EP 2013000374 W 20130208

Abstract (en)

[origin: WO2013117339A1] The invention relates to an electrical plug connector in the form of a solid contact pin which has the following: A) a contact section, B) a transition section which adjoins the contact section, and C) a connection section, which adjoins the transition section, for electrical connection to an electrical line by means of ultrasonic welding, wherein the connection section has at least one geometric wave refraction element for refracting waves during ultrasonic welding.

IPC 8 full level

H01R 4/02 (2006.01); **H01R 13/04** (2006.01); **H01R 43/02** (2006.01)

CPC (source: EP US)

H01R 4/023 (2013.01 - EP US); **H01R 4/029** (2013.01 - US); **H01R 43/0207** (2013.01 - EP US); **H01R 13/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2013117339A1

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)

WO 2013117339 A1 20130815; CN 104115333 A 20141022; CN 104115333 B 20161109; EP 2812949 A1 20141217; EP 2812949 B1 20160420; ES 2575401 T3 20160628; JP 2015511375 A 20150416; JP 6097769 B2 20170315; US 2014378010 A1 20141225; US 9281573 B2 20160308

DOCDB simple family (application)

EP 2013000374 W 20130208; CN 201380008895 A 20130208; EP 13718104 A 20130208; ES 13718104 T 20130208; JP 2014555975 A 20130208; US 201314370555 A 20130208