

Title (en)

LEADFRAME AND CONNECTING SOCKET HAVING A LEADFRAME

Title (de)

LEADFRAME UND ANSCHLUSSDOSE MIT EINEM LEADFRAME

Title (fr)

GRILLE DE CONNEXION ET BOÎTE DE CONNEXION POURVUE D'UNE GRILLE DE CONNEXION

Publication

EP 2559115 B1 20161221 (DE)

Application

EP 11723278 A 20110414

Priority

- DE 102010015225 A 20100415
- US 32447710 P 20100415
- US 32402510 P 20100414
- EP 2011055895 W 20110414

Abstract (en)

[origin: WO2011128401A1] The present invention relates to a leadframe having a plurality of connections for electrical conductors, a plurality of contacts and at least two outer current bars, and to a connecting socket having a leadframe as well as to a system for transmission of electrical power, in particular from a plurality of solar modules (photovoltaic modules), having a connecting socket such as this. In order to devise a leadframe which occupies as little space as possible, at least one connection (32a-e) is provided for an electrical conductor between the outer current bars (34a, b). This allows the leadframe to have a compact physical shape. The invention is based on the discovery that leadframes are used in the prior art to bridge the distances between predetermined contact separations, offering the possibility of producing, in one stamped part, strip conductors which have different geometries. Furthermore, a connecting socket having such a leadframe is described, and a system for transmission of electrical power using such a connecting socket.

IPC 8 full level

H01R 13/504 (2006.01); **H01R 29/00** (2006.01); **H01R 43/24** (2006.01)

CPC (source: EP US)

H01R 29/00 (2013.01 - EP US); **H01R 43/24** (2013.01 - EP US); **H01R 13/504** (2013.01 - EP US); **Y10T 29/49174** (2015.01 - EP US)

Citation (examination)

- DE 202005018318 U1 20070315 - WEIDMUELLER INTERFACE [DE]
- WO 03041227 A1 20030515 - KOSTAL LEOPOLD GMBH & CO KG [DE], et al

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 102010015225 A1 20111020; DE 102010015225 A9 20120606; CN 102859808 A 20130102; CN 102859808 B 20151209; EP 2559115 A1 20130220; EP 2559115 B1 20161221; JP 2013527566 A 20130627; JP 5567736 B2 20140806; TW 201212788 A 20120316; TW I487457 B 20150601; US 2013065456 A1 20130314; US 8979597 B2 20150317; WO 2011128401 A1 20111020

DOCDB simple family (application)

DE 102010015225 A 20100415; CN 201180018937 A 20110414; EP 11723278 A 20110414; EP 2011055895 W 20110414; JP 2013504274 A 20110414; TW 100112924 A 20110414; US 201113640151 A 20110414