

Title (en)

CONTACT BRUSH FOR AN ELECTRICAL CONNECTOR

Title (de)

KONTAKTHÜLSE FÜR EINEN ELEKTRISCHEN STECKVERBINDER

Title (fr)

DOUILLE DE CONTACT POUR UN CONNECTEUR ENFICHABLE ÉLECTRIQUE

Publication

EP 3579348 B1 20210804 (DE)

Application

EP 19182255 A 20160226

Priority

- EP 19182255 A 20160226
- EP 16706533 A 20160226
- EP 2016000336 W 20160226

Abstract (en)

[origin: US2018366856A1] The invention relates to a contact sleeve (10) in the form of a hollow cylinder having a casing wall (12) and a center longitudinal axis (14) for an electrical connector for establishing electrical contact with a mating connector (32), wherein the contact sleeve (10) has at least two pairs of contact spring lamellae (18) on its casing wall (12), wherein the contact spring lamellae (18) of a pair are arranged radially opposite one another on the contact sleeve (10), wherein each contact spring lamella (18) has a radial raised portion (20) which forms an electrical contact area (22), wherein the raised portions (20) of a pair of contact spring lamellae (18) which are situated opposite one another are arranged at the same location in the axial direction with respect to the contact sleeve (10) in such a way that the contact areas (22) of said contact spring lamellae lie on a straight line (24) which perpendicularly intersects the center longitudinal axis (14) of the contact sleeve (10). In this case, the raised portions (20) of at least one first pair of contact spring lamellae (18) are arranged in a manner offset by a predetermined axial offset length (26) in the axial direction with respect to the contact sleeve (10) relative to the raised portions (20) of at least one second pair of contact spring lamellae (18).

IPC 8 full level

H01R 13/05 (2006.01); **H01R 13/11** (2006.01); **H01R 13/17** (2006.01); **H01R 13/24** (2006.01); **H01R 24/40** (2011.01)

CPC (source: CN EP KR US)

H01R 4/48 (2013.01 - US); **H01R 13/05** (2013.01 - CN); **H01R 13/052** (2013.01 - CN EP KR US); **H01R 13/11** (2013.01 - CN); **H01R 13/111** (2013.01 - EP KR US); **H01R 13/17** (2013.01 - EP KR US); **H01R 13/187** (2013.01 - US); **H01R 13/2492** (2013.01 - EP KR US); **H01R 24/40** (2013.01 - CN EP KR US)

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)

US 10224659 B2 20190305; **US 2018366856 A1 20181220**; CN 108701928 A 20181023; CN 113422226 A 20210921; CN 113571936 A 20211029; DE 112016006492 A5 20181115; EP 3227970 A1 20171011; EP 3227970 B1 20190904; EP 3579348 A1 20191211; EP 3579348 B1 20210804; KR 102094628 B1 20200330; KR 20180113531 A 20181016; TW 201806255 A 20180216; WO 2017144069 A1 20170831

DOCDB simple family (application)

US 201616060494 A 20160226; CN 201680082383 A 20160226; CN 202110770725 A 20160226; CN 202110842023 A 20160226; DE 112016006492 T 20160226; EP 16706533 A 20160226; EP 19182255 A 20160226; EP 2016000336 W 20160226; KR 20187023484 A 20160226; TW 106102738 A 20170124