Title (en)

CONNECTOR PART WITH HERMAPHRODITIC CONTACT ELEMENTS

Title (de)

STECKVERBINDERTEIL MIT HERMAPHRODITISCHEN KONTAKTELEMENTEN

Title (fr)

PARTIE DE CONNECTEUR AYANT DES ÉLÉMENTS DE CONTACT HERMAPHRODITES

Publication

EP 3782237 B1 20220608 (DE)

Application

EP 19718308 A 20190412

Priority

- BE 201805256 A 20180417
- EP 2019059411 W 20190412

Abstract (en)

[origin: WO2019201768A1] A connector part (3, 4) comprises a plurality of hermaphroditic contact elements (1A-1D, 2A-2D) for establishing contact with associated hermaphroditic contact elements (2A-2D, 1A-1D) of a mating connector part (4, 3), wherein each hermaphroditic contact element (1A-1D, 2A-2D) has a body (10, 20), a first contact lug (12), which extends from the body (10, 20) along a first direction (X), and a second contact lug (13), which extends from the body (10, 20) along the first direction (X), wherein the first contact lug (12) and the second contact lug (13) are offset in relation to one another along a second direction (Y), which extends transversely to the first direction (X), and, in addition, along a third direction (Z), which extends transversely to the first direction (X) and transversely to the second direction (Y). For each hermaphroditic contact element (1A-1D, 2A-2D), the connector part (3, 4) has a hermaphroditic contact element (1A-1D, 2A-2D) which is mirror-inverted in relation to a first mirror plane (E1) and a hermaphroditic contact element (1A-1D, 2A-2D) which is mirror-inverted in relation to a second mirror plane (E2).

IPC 8 full level

H01R 13/28 (2006.01)

CPC (source: EP US)

H01R 12/716 (2013.01 - US); **H01R 13/28** (2013.01 - EP US); **H01R 24/84** (2013.01 - US); H01R 12/57 (2013.01 - EP); H01R 24/84 (2013.01 - EP); H01R 2107/00 (2013.01 - 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)

WO 2019201768 A1 20191024; BE 1026214 A1 20191112; BE 1026214 B1 20191119; CA 3096932 A1 20191024; CA 3096932 C 20231024; CN 112106261 A 20201218; CN 112106261 B 20220510; EP 3782237 A1 20210224; EP 3782237 B1 20220608; JP 2021519500 A 20210810; JP 7060709 B2 20220426; TW 201946338 A 20191201; TW I703773 B 20200901; US 11316295 B2 20220426; US 2021083416 A1 20210318

DOCDB simple family (application)

EP 2019059411 W 20190412; BE 201805256 A 20180417; CA 3096932 A 20190412; CN 201980026628 A 20190412; EP 19718308 A 20190412; JP 2020554504 A 20190412; TW 108113469 A 20190417; US 201917046811 A 20190412