

Title (en)

ELECTRICAL CONNECTOR AND ELECTRICAL CONNECTION

Title (de)

ELEKTRISCHER STECKVERBINDER UND ELEKTRISCHE STECKVERBINDUNG

Title (fr)

CONNECTEUR ENFICHABLE ÉLECTRIQUE ET CONNEXION ENFICHABLE ÉLECTRIQUE

Publication

EP 4193427 B1 20231122 (DE)

Application

EP 22801112 A 20221011

Priority

- EP 21205495 A 20211029
- EP 2022078197 W 20221011

Abstract (en)

[origin: WO2023072579A1] The present invention relates to an electrical plug connector, which has an insulation element and an outer conductor, at the end region of which spring lugs for contacting an outer conductor of the mating plug connector are formed. An electrical plug connector (1) for electrically and mechanically connecting to an electrical mating plug connector (15) has an insulation element (4) and an outer conductor contact element (5), which at least partly surrounds the insulation element (4). Spring lugs (10) for contacting a corresponding outer conductor (14) of the mating plug connector (15) are formed in the outer conductor contact element (5). When the plug connector (1) is not plugged together with the mating plug connector (15), at least one spring lug (10) is spaced apart from the insulation element (4). When the plug connector (1) is partly plugged together or plugged together with the mating plug connector (15), the insulation element (4) is centeredly clamped by at least a subset of the spring lugs (10) because of a first element (14) of the mating plug connector, said first element being applied to the outer conductor contact element (5).

IPC 8 full level

H01R 13/631 (2006.01); **H01R 24/40** (2011.01); **H01R 103/00** (2006.01)

CPC (source: EP)

H01R 13/6582 (2013.01); **H01R 24/40** (2013.01); **H01R 13/6315** (2013.01); **H01R 2103/00** (2013.01)

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2023072579 A1 20230504; CN 118160173 A 20240607; EP 4193427 A1 20230614; EP 4193427 B1 20231122; EP 4193427 C0 20231122

DOCDB simple family (application)

EP 2022078197 W 20221011; CN 202280072272 A 20221011; EP 22801112 A 20221011