

Title (en)

PLUG CONNECTOR PART, IN PARTICULAR FOR TRANSFERRING A CHARGING CURRENT TO CHARGE AN ELECTRIC VEHICLE

Title (de)

STECKVERBINDETEIL, INSBESONDERE ZUM ÜBERTRAGEN EINES LADESTROMS ZUM AUFLADEN EINES ELEKTROFAHRZEUGS

Title (fr)

ÉLÉMENT DE CONNECTEUR ENFICHABLE, NOTAMMENT POUR TRANSMETTRE UN COURANT DE CHARGE POUR CHARGER UN VÉHICULE ÉLECTRIQUE

Publication

EP 3542424 A1 20190925 (DE)

Application

EP 17807743 A 20171114

Priority

- LU 93308 A 20161116
- EP 2017079098 W 20171114

Abstract (en)

[origin: WO2018091422A1] A plug connector part (1), in particular for transferring a charging current to charge an electric vehicle, comprises a housing part (2), which has a plug opening (21) for plugging in a counter-plug connector part (5) for connection to the plug connector part (1), and a base part (3), which can be connected to the housing part (2), and at least one contacting device (31) for making contact with the counter-plug connector part (5). Here, there is provision that the housing part (2) has at least one first form-fitting element (24) and the base part (3) has at least one second form-fitting element (32), wherein the base part (3) can be applied to the housing part (2) in a mounting direction (M) for connection to the housing part (2) and, to fix the connection, can be rotated relative to the housing part (2) in a direction of rotation (S) directed around the mounting direction (M) in such a way that the at least one first form-fitting element (24) of the housing part (2) and the at least one second form-fitting element (32) of the base part (3) come into form-fitting engagement with one another. In this way, a plug connector part is made available which allows simple mounting of the plug connector part and at the same time ensures a firm connection between the housing part and the base part.

IPC 8 full level

H01R 13/516 (2006.01); **H01R 13/506** (2006.01); **H01R 13/625** (2006.01)

CPC (source: EP)

H01R 13/516 (2013.01); **H01R 13/506** (2013.01); **H01R 13/625** (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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018091422 A1 20180524; CN 109983633 A 20190705; CN 109983633 B 20210709; EP 3542424 A1 20190925; LU 93308 B1 20180607

DOCDB simple family (application)

EP 2017079098 W 20171114; CN 201780070931 A 20171114; EP 17807743 A 20171114; LU 93308 A 20161116