

Title (en)  
PLUG PART OF A PLUG-IN CONNECTION

Title (de)  
STECKVERBINDETEIL EINER STECKVERBINDUNG

Title (fr)  
ÉLÉMENT DE CONNEXION D'UNE CONNEXION ENFICHABLE

Publication  
**EP 3785335 A1 20210303 (DE)**

Application  
**EP 19718118 A 20190411**

Priority  
• DE 202018102260 U 20180423  
• EP 2019059214 W 20190411

Abstract (en)  
[origin: WO2019206652A1] The invention relates to plug part (1) of a plug-in connection (2), the plug part (1) having a plug part housing (3), one or more electrical and/or optical contacts (4), at least one locking spring (5), and, in the plug part housing (3), at least one receiving space (6) for the insertion of an insertion part (7) of a mating plug part (8) of the plug-in connection (2). When the mating plug part is in the inserted state, in which the insertion part (7) is completely inserted into the receiving space (6) in an insertion direction (9), the mating plug part (8) is locked by means of a longitudinal stop surface (10) of the locking spring (5) in a locking position of the locking spring (5) to prevent the insertion part (7) from being pulled out of the receiving space (6) against the insertion direction (9). In addition to the longitudinal stop surface (10), the locking spring (5) has at least one transverse stop surface (11) for pressing the insertion part (7) against the plug part housing (3) in a direction (12) transverse, preferably orthogonal, to the insertion direction (9).

IPC 8 full level  
**H01R 13/627** (2006.01); **H01R 13/633** (2006.01); **H01R 24/86** (2011.01)

CPC (source: EP US)  
**H01R 13/6272** (2013.01 - US); **H01R 13/6275** (2013.01 - EP); **H01R 24/86** (2013.01 - US); **H01R 13/6335** (2013.01 - EP);  
**H01R 24/86** (2013.01 - EP)

Citation (search report)  
See references of WO 2019206652A1

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)  
**DE 202018102260 U1 20180530**; CN 215579305 U 20220118; EP 3785335 A1 20210303; US 11387600 B2 20220712;  
US 2021167549 A1 20210603; WO 2019206652 A1 20191031

DOCDB simple family (application)  
**DE 202018102260 U 20180423**; CN 201990000667 U 20190411; EP 19718118 A 20190411; EP 2019059214 W 20190411;  
US 201917048225 A 20190411