

Title (en)
ELECTRIC PLUG CONNECTION FOR DATA TRANSMISSION

Title (de)
ELEKTRISCHE STECKVERBINDUNG ZUR DATENÜBERTRAGUNG

Title (fr)
FICHE DE RACCORDEMENT ÉLECTRIQUE DESTINÉE À LA TRANSMISSION DE DONNÉES

Publication
EP 3493333 B1 20200603 (DE)

Application
EP 18204510 A 20181106

Priority
DE 102017128604 A 20171201

Abstract (en)
[origin: US2019173231A1] An electrical plug-in connection (1) for data transmission, including a plug (2) and a socket (3), the plug (2) has a plug housing (4) and a plug-in extension (5) which projects beyond the plug housing (4) and has electrical contacts (6), and the socket (3) has a socket housing (7) with a receiving channel (8) for the plug housing (4). A plug-in extension receptacle (9) with electrical mating contacts (10) is provided, and in a fully inserted state, the plug-in extension (5) is inserted into the plug-in extension receptacle (9) for connecting the electrical contacts (6) to the electrical mating contacts (10). The plug housing (4), at least in regions, is arranged within the receiving channel (8). The socket (3) has a locking device (11) for locking the plug housing (4) in the receiving channel (8) in the fully inserted state and an operating element (12), which projects beyond the socket housing (7), for releasing this locking arrangement.

IPC 8 full level
H01R 13/627 (2006.01); **H01R 12/70** (2011.01); **H01R 13/187** (2006.01); **H01R 13/66** (2006.01); **H01R 24/76** (2011.01)

CPC (source: EP US)
H01R 13/5845 (2013.01 - US); **H01R 13/6275** (2013.01 - EP US); **H01R 13/6395** (2013.01 - US); **H01R 12/7029** (2013.01 - EP US); **H01R 13/187** (2013.01 - EP US); **H01R 13/6658** (2013.01 - EP US); **H01R 24/76** (2013.01 - EP US)

Cited by
CN111864470A; CN110212331A; WO2023044374A1

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)
EP 3493333 A1 20190605; **EP 3493333 B1 20200603**; CN 109873277 A 20190611; CN 109873277 B 20220329;
DE 102017128604 A1 20190606; JP 2019102442 A 20190624; JP 7199205 B2 20230105; US 10749297 B2 20200818;
US 2019173231 A1 20190606

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EP 18204510 A 20181106; CN 201811455379 A 20181130; DE 102017128604 A 20171201; JP 2018217001 A 20181120;
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