

Title (en)
MODULAR PLUG CONNECTOR

Title (de)
MODULAR AUFBAUBAREN STECKVERBINDER

Title (fr)
CONNECTEUR ENFICHABLE MODULAIRE

Publication
EP 4169130 A1 20230426 (DE)

Application
EP 21730602 A 20210608

Priority
• EP 20180821 A 20200618
• EP 20180815 A 20200618
• EP 2021065244 W 20210608

Abstract (en)
[origin: WO2021254821A1] A plug connector (1) comprises a contact carrier (2) and a plurality of contact elements (3) which are mounted in the contact carrier (2) and extend along a centre axis (M), wherein the contact carrier (2) has a front wall (4) and a rear wall (5) which are connected to one another via side walls (6), wherein the front wall (4), the rear wall (5) and the side walls (6) define a receiving space (7), wherein holding webs (8) extend through the receiving space (7) from the front wall (4) to the rear wall (5), which holding webs (8) each have a front fastening section (9) and a rear fastening section (10) as well as a clamping section (11) which is situated between the fastening sections (9, 10), wherein the holding webs (8) have at least one clamping structure (12) in the clamping section (11), in each case one contact element (3) being clamped in an intermediate space (14) between two adjacent holding webs (8) by way of said at least one clamping structure, and wherein at least one of the fastening sections (9, 10) has the structure of a solid joint (15) in such a way that the holding web (8) can be moved from a clamping position to a release position by elastic deformation of the solid joint (15) during insertion and/or removal of the contact element (3).

IPC 8 full level
H01R 13/518 (2006.01); **H01R 13/64** (2006.01)

CPC (source: EP KR US)
H01R 13/422 (2013.01 - US); **H01R 13/514** (2013.01 - US); **H01R 13/518** (2013.01 - EP KR US); **H01R 13/6271** (2013.01 - KR US); **H01R 13/64** (2013.01 - KR US); **H01R 13/506** (2013.01 - US); **H01R 13/64** (2013.01 - EP)

Citation (search report)
See references of WO 2021254822A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2021254821 A1 20211223; CN 115803972 A 20230314; CN 115917886 A 20230404; EP 4169130 A1 20230426; EP 4169131 A1 20230426; JP 2023529963 A 20230712; JP 2023529964 A 20230712; KR 20230024332 A 20230220; KR 20230024355 A 20230220; US 2023231339 A1 20230720; US 2023352870 A1 20231102; WO 2021254822 A1 20211223

DOCDB simple family (application)
EP 2021065243 W 20210608; CN 202180043394 A 20210608; CN 202180043811 A 20210608; EP 2021065244 W 20210608; EP 21730602 A 20210608; EP 21731151 A 20210608; JP 2022577115 A 20210608; JP 2022577117 A 20210608; KR 20237000384 A 20210608; KR 20237000939 A 20210608; US 202118002124 A 20210608; US 202118011001 A 20210608