

Title (en)
CONNECTOR WITH CLAMPING MEANS

Title (de)
STECKVERBINDER MIT KLEMMMITTEL

Title (fr)
CONNECTEUR ENFICHABLE POURVU DE MOYENS DE PINCEMENT

Publication
EP 4084229 B1 20240214 (DE)

Application
EP 22162036 A 20220315

Priority
DE 102021110669 A 20210427

Abstract (en)
[origin: CN115249905A] The invention relates to a plug connector, comprising: a connector support which can be pushed onto a plug mating part in a plug direction; a plug receptacle formed in the front in the plug direction, the plug receptacle being formed by two opposite joint support walls; a plug gap within the plug receptacle, the width of the plug gap being adapted to a plug mating part to be received; a plug accommodating part bottom part which is arranged opposite to the plug opening of the plug accommodating part; plug connectors which are arranged next to one another and which are held by a connector support and which engage in the plug receptacle, the connector support bearing, in addition to the connector, at least one clamping element which can interact in a frictionally locking manner with the plug mating element and which reduces the clearance of movement of the plug connector transverse to the plug direction; the clamping element forms a clamping gap, and the width of the clamping gap is smaller than that of the plug gap; the plug gap and the clamping gap have at least one common gap plane.

IPC 8 full level
H01R 12/70 (2011.01); **H01R 4/2433** (2018.01); **H01R 12/72** (2011.01); **H01R 12/75** (2011.01); **H01R 13/11** (2006.01); **H01R 13/506** (2006.01)

CPC (source: CN EP)
H01R 12/7005 (2013.01 - EP); **H01R 12/71** (2013.01 - CN); **H01R 12/721** (2013.01 - EP); **H01R 13/639** (2013.01 - CN);
H01R 4/2433 (2013.01 - EP); **H01R 12/75** (2013.01 - EP); **H01R 13/112** (2013.01 - EP); **H01R 13/506** (2013.01 - EP)

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)
DE 102021110669 B3 20220519; CN 115249905 A 20221028; EP 4084229 A2 20221102; EP 4084229 A3 20230111; EP 4084229 B1 20240214;
PL 4084229 T3 20240603

DOCDB simple family (application)
DE 102021110669 A 20210427; CN 202210445341 A 20220426; EP 22162036 A 20220315; PL 22162036 T 20220315