

Title (en)
RETAINING FRAME FOR A PLUG CONNECTOR AND EQUIPPING METHOD

Title (de)
HALTERAHMEN FÜR EINEN STECKVERBINDER UND VERFAHREN ZUR BESTÜCKUNG

Title (fr)
CHÂSSIS DE SUPPORT POUR UN CONNECTEUR ENFICHABLE ET PROCÉDÉ D'ASSEMBLAGE

Publication
EP 3613107 A1 20200226 (DE)

Application
EP 18721673 A 20180411

Priority
• DE 102017108433 A 20170420
• DE 2018100331 W 20180411

Abstract (en)
[origin: WO2018192617A1] The invention relates to the field of retaining frames (1, 2, 3, 4, 5, 6, 7) for modules (9) and in particular retaining frames (1, 2, 3, 4, 5, 6, 7) for a plug connector for receiving identical or different modules (9). The aim of the invention is to provide a retaining frame (1, 2, 3, 4, 5, 6, 7) which can be equipped in an installed state having little or no additional space about the retaining frame (1, 2, 3, 4, 5, 6, 7). According to the invention, a base frame (111, 211, 311, 411, 511, 611, 711) which defines a plane transversally to a direction of insertion of a module (9) in the holding frame (1, 2, 3, 4, 5, 6, 7) and respectively comprises opposing front faces (112, 212, 312, 412, 512, 612, 712) and side walls (113, 213, 313, 413, 513, 613, 713), and a fixing element (120, 220, 320, 420, 520, 620, 720) which is mounted on a side wall (113, 213, 313, 413, 513, 613, 713) of the base frame (111, 211, 311, 411, 511, 611, 711) and which deforms between an insertion state, which enables the module (9) to be inserted in the insertion direction into the holding frame (1, 2, 3, 4, 5, 6, 7), and a holding state in which an inserted module (9) is fixed by a catch (91) of the module (9) and the fixing element (120, 220, 320, 420, 520, 620, 720) is fixed at least along an insertion direction, wherein the fixing element (120, 220, 320, 420, 520, 620, 720) is designed such that a change of a movement of at least one fixing arm (121, 221, 321, 421, 521, 621, 721) of the fixing element (120, 220, 320, 420, 520, 620, 720) occurs in the longitudinal direction of the side wall (113, 213, 313, 413, 513, 613, 713).

IPC 8 full level
H01R 13/514 (2006.01); **H01R 13/518** (2006.01); **H01R 13/627** (2006.01); **H01R 13/74** (2006.01)

CPC (source: EP US)
H01R 13/506 (2013.01 - US); **H01R 13/514** (2013.01 - EP US); **H01R 13/518** (2013.01 - EP US); **H01R 13/6275** (2013.01 - US); **H01R 13/745** (2013.01 - EP US); **H01R 13/6275** (2013.01 - EP)

Citation (search report)
See references of WO 2018192617A1

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 2018192617 A1 20181025; CN 110537298 A 20191203; CN 110537298 B 20220111; DE 102017108433 A1 20181025; DE 102017108433 B4 20210930; EP 3613107 A1 20200226; EP 3613107 B1 20230510; US 11817648 B2 20231114; US 2022029346 A1 20220127

DOCDB simple family (application)
DE 2018100331 W 20180411; CN 201880026366 A 20180411; DE 102017108433 A 20170420; EP 18721673 A 20180411; US 201816606664 A 20180411