

Title (en)
HOLDING FRAME FOR A PLUG CONNECTOR AND MOUNTING METHOD

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

Title (fr)
CHÂSSIS-SUPPORT POUR UN CONNECTEUR ET PROCÉDÉ DE MONTAGE

Publication
EP 3400631 B1 20190515 (DE)

Application
EP 17732111 A 20170622

Priority
• DE 102016211300 A 20160623
• DE 102017108431 A 20170420
• EP 2017065431 W 20170622

Abstract (en)
[origin: WO2017220736A1] The invention relates to the field of holding frames for modules and in particular holding frames for a plug connector for receiving similar and/or different modules. The aim of the invention is to provide a holding frame which implements the advantages of known holding frames as much as possible but also achieves a high degree of fixing reliability and resistance. This is achieved in that for a holding frame with a base frame and at least two flange parts which are attached to the base frame opposite each other, each flange part extends outside of the base frame along an outer face of the base frame in the insertion direction, around a lower edge of the base frame, within the base frame along an inner face of the base frame opposite the insertion direction, and outwards opposite the insertion direction over an edge of the base frame. Each flange part has at least one latching window as a latching element for receiving a latching lug of the module in the flange part region extending outwards over the edge of the base frame. The flange parts are designed to undergo an elastic bending deformation between an insertion state, which allows the module to be inserted into the holding frame in the insertion direction, and a holding state, in which an inserted module is fixed at least along the insertion direction by the latching lug engaging into the latching window.

IPC 8 full level
H01R 13/518 (2006.01); **H01R 13/506** (2006.01); **H01R 13/514** (2006.01)

CPC (source: EP US)
H01R 13/506 (2013.01 - EP US); **H01R 13/514** (2013.01 - US); **H01R 13/518** (2013.01 - EP US); **H01R 43/00** (2013.01 - US)

Cited by
BE1030677B1

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)
WO 2017220736 A1 20171228; CN 109643866 A 20190416; CN 109643866 B 20200828; EP 3400631 A1 20181114; EP 3400631 B1 20190515; US 10530090 B2 20200107; US 2019334278 A1 20191031

DOCDB simple family (application)
EP 2017065431 W 20170622; CN 201780051657 A 20170622; EP 17732111 A 20170622; US 201716312697 A 20170622