

Title (en)

DIRECT PLUG DEVICE HAVING A PRE-ADJUSTING DEVICE AND A LOCKING DEVICE DISPLACEABLE RELATIVE THERETO

Title (de)

DIREKTSTECKVORRICHTUNG MIT VORJUSTIEREINRICHTUNG UND RELATIV ZU DIESER VERSCHIEBBARER
VERRIEGELUNGSEINRICHTUNG

Title (fr)

DISPOSITIF DE CONNEXION EMBROCHABLE DIRECTE ÉQUIPÉ D'UN SYSTÈME DE PRÉ-ALIGNEMENT ET D'UN SYSTÈME DE
VERROUILLAGE MOBILE PAR RAPPORT À CELUI-CI

Publication

EP 3044837 A1 20160720 (DE)

Application

EP 14793004 A 20140821

Priority

- DE 102013218441 A 20130913
- DE 2014000427 W 20140821

Abstract (en)

[origin: WO2015035967A1] A direct plug device (108) for directly plugging into a circuit board (302), the direct plug device (108) having a plug element (110) that has an accommodating housing (114) and at least one pluggable, in particular spring-like, contact element (106) accommodated thereon; and a plug element receptacle (120) that is designed to at least partially accommodate the plug element (110), has a locking device (102) and can be moved relative to the plug element (110) between a contact element-remote state (104) and a contactelement-proximal state (200). The plug element (110) has at least one pre-adjusting structure (112) which is to be arranged on the circuit board and which, when the plug element (110) is placed on the circuit board (302), can be connected to at least one corresponding pre-adjusting structure (306) of the circuit board (302) in such a way that, in the connected state, the at least one contact element (106) is aligned with at least one correspondingly designed contact element opening (304) in the circuit board (302), and the plug element receptacle (120) can be moved relative to the plug element (110) placed in a pre-adjusted manner on the circuit board (302) from the contact element-remote state (104) to the contact element-proximal state (200) in such a way that the locking device (102) and the pre-adjusting structure (112) of the plug element (110) together are thereby locked to the pre-adjusting structure (306) of the circuit board (302).

IPC 8 full level

H01R 12/51 (2011.01); **H01R 12/58** (2011.01); **H01R 12/70** (2011.01); **H01R 13/502** (2006.01); **H01R 13/639** (2006.01)

CPC (source: CN EP US)

H01R 12/515 (2013.01 - CN EP US); **H01R 12/585** (2013.01 - CN EP US); **H01R 12/7052** (2013.01 - CN EP US);
H01R 12/7058 (2013.01 - CN EP US); **H01R 12/7064** (2013.01 - CN EP US); **H01R 12/7082** (2013.01 - US); **H01R 12/714** (2013.01 - US);
H01R 13/502 (2013.01 - CN EP US); **H01R 13/6271** (2013.01 - US); **H01R 13/629** (2013.01 - US); **H01R 13/6395** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2015035967A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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