

Title (en)
DIRECT CONTACTING DEVICE FOR FASTENING A CONDUCTOR ON A CIRCUIT BOARD AND PLACING THE CONDUCTOR IN ELECTRICAL CONTACT WITH THE CIRCUIT BOARD

Title (de)
DIREKTKONTAKTIERUNGSVORRICHTUNG ZUM FIXIEREN UND ELEKTRISCHEN KONTAKTIEREN EINES LEITERS AUF EINER LEITERPLATTE

Title (fr)
DISPOSITIF DE MISE EN CONTACT DIRECT DESTINÉ À FIXER UN CONDUCTEUR SUR UNE CARTE DE CIRCUIT IMPRIMÉ ET À PLACER LE CONDUCTEUR EN CONTACT ÉLECTRIQUE AVEC LA CARTE DE CIRCUIT IMPRIMÉ

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Application
EP 20800000 A 20201001

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Abstract (en)
[origin: WO2021052544A1] The invention relates to a direct contacting device (101, 201) for fastening a conductor (113) on a circuit board (106) and placing the conductor in electrical contact with the circuit board. The circuit board has an opening (109, 209), which extends completely through the circuit board, and a contacting surface, which is associated with said opening. The direct contacting device comprises a conductor receptacle (103, 203), a first spring barb (107, 207) and a spacer (105, 211). The spacer connects the conductor receptacle (103, 203) and the first spring barb (107, 207) at a distance in accordance with the thickness of the circuit board (106) at the opening (109, 209). While being pushed into the opening (109, 209), the first spring barb (107, 207) compresses into a push-in position with a first extent, and after being pushed through the opening (109, 209), the first spring barb rebounds into a fastening position with a second, larger extent, such that the spacer (105, 211) is arranged in the opening and the conductor inserted into the conductor receptacle is clamped against the circuit board and is placed in electrical contact with the contacting surface.

IPC 8 full level
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CPC (source: EP)
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