

Title (en)
TERMINAL DEVICE HAVING A BUSBAR

Title (de)
KLEMMENEINRICHTUNG MIT EINER STROMSCHIENE

Title (fr)
DISPOSITIF DE SERRAGE POURVU D'UNE BARRE CONDUCTRICE

Publication
EP 3207594 B1 20190612 (DE)

Application
EP 15778270 A 20151007

Priority
• DE 102014115048 A 20141016
• EP 2015073152 W 20151007

Abstract (en)
[origin: WO2016058889A1] A terminal device comprises a housing which has at least one slot, a contact part which is arranged at the at least one slot and to which at least one electrical line for making electrical contact with the contact part can be plugged, and at least one busbar which is arranged on the housing and is electrically connected to the contact part and a busbar section of which extends along an elevation line. In this case, provision is made for an end section (21, 22) to adjoin the busbar section (20), which end section extends along an oblique direction (S) at an oblique angle (β) with respect to the elevation line (L1 - L8) and can be moved relative to the contact part (13) along the elevation line (L1 - L8). This provides a terminal device which makes it possible to compensate for relative positional changes on account of different coefficients of thermal expansion at components of the terminal device in a simple, cost-effective and space-saving manner and makes it possible to ensure a safe, reliable electrical connection between a busbar and associated contact parts at slots.

IPC 8 full level
H01R 4/242 (2018.01); **H01R 4/48** (2006.01); **H01R 9/26** (2006.01)

CPC (source: CN EP US)
H01R 4/242 (2013.01 - CN EP US); **H01R 4/48185** (2023.08 - US); **H01R 4/4846** (2023.08 - CN EP); **H01R 9/26** (2013.01 - CN EP US); **H01R 9/2675** (2013.01 - US); **H01R 4/4821** (2023.08 - CN EP); **H01R 4/485** (2023.08 - CN EP)

Citation (examination)
• US 7413487 B1 20080819 - CHEN MICHAEL C H [TW]
• EP 1883132 A1 20080130 - MORSETTITALIA SPA [IT]

Designated contracting state (EPC)
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DOCDB simple family (publication)
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EP 3207594 B1 20190612; ES 2742437 T3 20200214; JP 2017530540 A 20171012; JP 6408714 B2 20181017; US 10044119 B2 20180807;
US 2017244181 A1 20170824; WO 2016058889 A1 20160421

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ES 15778270 T 20151007; JP 2017537019 A 20151007; US 201515518769 A 20151007