

Title (en)
POWER BUSBAR SYSTEM

Title (de)
STROMSCHIENENSYSTEM

Title (fr)
SYSTÈME DE RAILS CONDUCTEURS

Publication
EP 3644460 B1 20221221 (DE)

Application
EP 19203807 A 20191017

Priority
DE 202018106057 U 20181023

Abstract (en)
[origin: CN111092344A] The invention relates to a bus bar and a bus bar system (100). The bus bar system comprises a bus bar (1) and a plug seat (20) for holding a plug (40) electrically connected with the bus bar (1). The bus bar (1) has a bus bar profile (2) with a first group (row) of grooves and a second group (row) of grooves (4, 5), wherein the grooves of the first group (row) (4) have a different depth from the bus bar profile (2) side, which is thereby close to the grooves, to the groove bottom surface than the grooves of the second group (row) (5), and wherein respective electrical wires (7) are received in each of the grooves and can be accessed via the respective groove in order to make electrical contacts conductive.

IPC 8 full level
H01R 25/14 (2006.01); **H01R 25/16** (2006.01); **H01R 107/00** (2006.01)

CPC (source: CN EP)
H01R 13/627 (2013.01 - CN); **H01R 13/73** (2013.01 - CN); **H01R 25/14** (2013.01 - CN EP); **H01R 25/142** (2013.01 - CN EP); **H01R 25/147** (2013.01 - EP); **H01R 25/161** (2013.01 - EP); **H01R 2107/00** (2013.01 - EP)

Citation (examination)

- DE 202015106730 U1 20170313 - ELECTRO TERMINAL GMBH & CO KG [AT]
- DE 202006006659 U1 20060706 - PHOENIX CONTACT GMBH & CO [DE]
- FI 824267 L 19830618 - WIDELL HARALD [SE], et al

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)
DE 202018106057 U1 20200124; CN 111092344 A 20200501; CN 111092344 B 20231128; EP 3644460 A2 20200429; EP 3644460 A3 20200729; EP 3644460 B1 20221221

DOCDB simple family (application)
DE 202018106057 U 20181023; CN 201911011319 A 20191023; EP 19203807 A 20191017