

Title (en)
BUSBAR, METHOD FOR MANUFACTURING A BUSBAR AND METHOD FOR CONNECTING AN ELECTRONIC COMPONENT TO THE BUSBAR

Title (de)
STROMSCHIENE, VERFAHREN ZUM HERSTELLEN EINER STROMSCHIENE UND VERFAHREN ZUM VERBINDEN EINES ELEKTRONISCHEN BAUTEILS MIT DER STROMSCHIENE

Title (fr)
BARRE OMNIBUS, PROCÉDÉ DE FABRICATION D'UNE BARRE OMNIBUS ET PROCÉDÉ DE CONNEXION D'UN COMPOSANT ÉLECTRONIQUE À LA BARRE OMNIBUS

Publication
EP 4336675 A1 20240313 (EN)

Application
EP 22194906 A 20220909

Priority
EP 22194906 A 20220909

Abstract (en)
A busbar (1), in particular a laminated busbar (1), configured for mounting an electronic component on the busbar (1), in particular a passive electronic component, wherein the busbar (1) comprises a first conductive layer (10) having a main body (3) and at least one plug-in region (30), the at least one plug-in region (30) being configured for inserting a contact element of the electronic component, in particular a pin (2) of the electronic component, into the busbar (1), wherein the plug-in region (30) comprises- a centre section (32) having a receiving recess (31) for receiving the contact element, - a bridge section (8) for connecting the centre section (32) and the main body (3) of the first conductive layer, wherein the bridge section (8), extending between the main body (3) and the centre section (32), has a first length (L1) along its extension direction (E) and a first width (W1), measured along a direction perpendicular to the extension direction (E), wherein a ratio of the first width (W1) to the first length (L1) is smaller than 0.5.

IPC 8 full level
H01R 25/16 (2006.01); **H02G 5/00** (2006.01)

CPC (source: EP)
H01R 25/161 (2013.01)

Citation (applicant)
• CN 203504394 U 20140326 - STATE GRID CORP CHINA, et al
• CN 104022414 A 20140903 - SUZHOU WEST DEANE MACHINERY INC
• CN 202474475 U 20121003 - SHANGHAI INST APPLIED PHYSICS
• EP 3599676 B1 20210630 - ROGERS BV [BE]

Citation (search report)
• [XDI] CN 104022414 A 20140903 - SUZHOU WEST DEANE MACHINERY INC
• [XDA] EP 3599676 B1 20210630 - ROGERS BV [BE]
• [A] EP 1094553 A1 20010425 - FRAMATOME CONNECTORS INT [FR]

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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4336675 A1 20240313; WO 2024052547 A1 20240314

DOCDB simple family (application)
EP 22194906 A 20220909; EP 2023074769 W 20230908