

Title (en)

VEHICLE-MOUNTED ELECTRIC CONNECTING DEVICE AND VEHICLE-MOUNTED CONNECTING APPARATUS FOR RAIL TRAIN

Title (de)

FAHRZEUGMONTIERTE ELEKTRISCHE VERBINDUNGSVORRICHTUNG UND FAHRZEUGMONTIERTE VERBINDUNGSVORRICHTUNG FÜR SCHIENENZUG

Title (fr)

DISPOSITIF DE CONNEXION ÉLECTRIQUE MONTÉ SUR VÉHICULE ET APPAREIL DE CONNEXION MONTÉ SUR VÉHICULE FERROVIAIRE

Publication

EP 3598587 B1 20230412 (EN)

Application

EP 18844870 A 20180514

Priority

- CN 201710674105 A 20170809
- CN 2018086723 W 20180514

Abstract (en)

[origin: EP3598587A1] A vehicle end electric connecting device for a rail train and a vehicle end connecting apparatus are provided. The vehicle end electric connecting device includes: a mechanical connecting portion (10), moving in a first direction so as to be connected to a mechanical connecting portion (10) of another vehicle end electric connecting device; and a plurality of electric connecting portions, spaced apart from each other around the mechanical connecting portion (10), each electric connecting portion of the plurality of electric connecting portions including a plurality of connecting ports facing the first direction, the connecting ports being configured for connecting to connecting ports of the another vehicle end electric connecting device, and the connecting ports being interfaces or joints, or the connecting ports being interfaces and joints. By using the vehicle end electric connecting device of the present invention, an electrical connection between vehicle bodies is changed from a conventional indirect bridging-line connection to direct connection of connecting ports, thereby simplifying the operation steps of workers, shortening time for the electrical connection in grouping and ungrouping processes, and implementing automatic control.

IPC 8 full level

B61G 5/10 (2006.01); **H01R 13/627** (2006.01)

CPC (source: EP)

B61G 5/10 (2013.01); **H01R 2201/26** (2013.01)

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)

EP 3598587 A1 20200122; EP 3598587 A4 20201209; EP 3598587 B1 20230412; CN 107645101 A 20180130; CN 107645101 B 20200929; JP 2020518506 A 20200625; JP 6817464 B2 20210120; WO 2019029210 A1 20190214

DOCDB simple family (application)

EP 18844870 A 20180514; CN 201710674105 A 20170809; CN 2018086723 W 20180514; JP 2019559755 A 20180514