

Title (en)
CARRIAGE BOX HAVING A CONNECTION ARRANGEMENT, AND CARRIAGE ARRANGEMENT

Title (de)
WAGENKASTEN MIT VERBINDUNGSANORDNUNG UND WAGENANORDNUNG

Title (fr)
CAISSE POURVUE DE DISPOSITIF DE RACCORDEMENT ET AGENCEMENT DE WAGONS

Publication
EP 3810481 A1 20210428 (DE)

Application
EP 19745997 A 20190709

Priority
• DE 102018213943 A 20180817
• EP 2019068408 W 20190709

Abstract (en)
[origin: WO2020035221A1] The invention relates to a carriage box (1) for a rail vehicle, comprising a carriage box housing (4) and a connecting device (5), which is arranged in or on the carriage box housing (4) in a longitudinal direction, and which is designed to connect the carriage box (1) to two adjacent carriage boxes. It is the object of the invention to provide a carriage box (1) of a kind that allows carriage arrangements with a higher number of short carriage boxes. According to the invention, a carriage box (1) is provided, wherein the connecting device (5) comprises a coupling rod, a first external articulation (9) for connection to an adjacent carriage box, and a second external articulation (12) for connection to an adjacent carriage box. The coupling rod can be subjected to both tension and pressure. Such a solution has the advantage that the high longitudinal forces within multiple-member rail vehicles are transmitted between the outer articulations (9, 12) without force flow in the longitudinal direction via the carriage box housing (4).

IPC 8 full level
B61G 9/12 (2006.01); **B61G 5/02** (2006.01)

CPC (source: EP RU)
B61D 3/10 (2013.01 - RU); **B61G 5/02** (2013.01 - EP RU); **B61G 9/12** (2013.01 - EP RU)

Citation (search report)
See references of WO 2020035221A1

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

DOCDB simple family (publication)
WO 2020035221 A1 20200220; CN 216374549 U 20220426; DE 102018213943 A1 20200220; EP 3810481 A1 20210428; EP 3810481 B1 20230405; ES 2948974 T3 20230922; PL 3810481 T3 20230731; RU 206826 U1 20210929

DOCDB simple family (application)
EP 2019068408 W 20190709; CN 201990000961 U 20190709; DE 102018213943 A 20180817; EP 19745997 A 20190709; ES 19745997 T 20190709; PL 19745997 T 20190709; RU 2021105461 U 20190709