

Title (en)
VEHICLE SEGMENT FOR A MULTIPLE-UNIT RAIL VEHICLE, AND RAIL VEHICLE

Title (de)
FAHRZEUGSEGMENT FÜR EIN MEHRGLIEDRIGES SCHIENENFAHRZEUG UND SCHIENENFAHRZEUG

Title (fr)
SEGMENT DE VÉHICULE POUR UN VÉHICULE FERROVIAIRE ARTICULÉ ET VÉHICULE FERROVIAIRE

Publication
EP 3891037 A1 20211013 (DE)

Application
EP 19812948 A 20191126

Priority
• DE 102018130813 A 20181204
• EP 2019082575 W 20191126

Abstract (en)
[origin: WO2020114835A1] One embodiment of the invention relates to a vehicle segment (50, 50', 60, 60', 70, 70') for a multiple-unit rail vehicle (500, 600, 700) comprising a first car body segment (7, 7') and a second car body segment (6, 6'), which is connected to the first car body segment (7, 7') for rotation about a vertical axis (10, 10', z) of the vehicle segment (50, 50', 60, 60', 70, 70'). A first crossing region for people (P1, P1') is formed between the first car body segment (7, 7') and the second car body segment (6, 6'). The second car body segment (6, 6') has, at an end facing away from the first car body segment (7, 7'), two mechanical coupling elements (11, 11') for coupling an additional vehicle segment (50', 50, 60', 60, 70', 70), an electrical coupling element (2, 2') for electrically connecting to the additional vehicle segment (50', 50, 60', 60, 70', 70), and a bellows (4, 4') for a second crossing region for people (P2) to the additional vehicle segment (50', 50, 60', 60, 70', 70) or a connection point for the bellows (4, 4'). The mechanical coupling elements (11, 11') are connected to the second car body segment (6, 6') by means of respective joints (1, 1'), which enable rotational motion about a transverse axis (y), which is perpendicular to the vertical axis (z) and to a longitudinal axis (x) of the second car body segment (6, 6'), which longitudinal axis is perpendicular to the vertical axis (z).

IPC 8 full level
B61D 1/00 (2006.01); **B61D 13/00** (2006.01); **B61D 17/20** (2006.01); **B61G 5/02** (2006.01)

CPC (source: EP)
B61D 1/00 (2013.01); **B61D 13/00** (2013.01); **B61D 17/20** (2013.01); **B61G 5/02** (2013.01)

Citation (search report)
See references of WO 2020114835A1

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)
DE 102018130813 A1 20200604; CN 113165675 A 20210723; EP 3891037 A1 20211013; WO 2020114835 A1 20200611

DOCDB simple family (application)
DE 102018130813 A 20181204; CN 201980080318 A 20191126; EP 19812948 A 20191126; EP 2019082575 W 20191126