

Title (en)
END PORTION STRUCTURE OF HINGED MULTIPLE UNIT TRAIN BODY CHASSIS

Title (de)
ENDTEILSTRUKTUR EINES GELENKIG GELAGERTEN RAHMENS FÜR EINEN SELBSTFAHRENDEN ZUGVERBAND

Title (fr)
STRUCTURE DE PARTIE D'EXTRÉMITÉ DE CHÂSSIS DE CORPS ARTICULÉ POUR RAME AUTOMOTRICE

Publication
EP 3632766 B1 20221102 (EN)

Application
EP 17912173 A 20171225

Priority
• CN 201710409019 A 20170602
• CN 2017118290 W 20171225

Abstract (en)
[origin: EP3632766A1] An end structure of articulated multiple unit vehicle body underframe, comprising two side beams (5), two traction beams (2) being provided between the two side beams which are parallel to the side beams, and bolster beams (3) being provided between one traction beam and one side beam at a vehicle end connection area, and between the other traction beam and the other side beam at the vehicle end connection area; ends of the two side beams and the traction beams, which are located in a passenger compartment passage area, are perpendicularly connected to a partition wall (6) such that the overall vehicle body underframe forms a frame structure having a shape of three same rectangles arranged side-by-side; the two bolsters are provided thereon with air spring mounting holes (31), respectively; bottoms of ends of the two traction beams, which are located at the vehicle end connection area, are provided with a hinge seat (1); bottom surfaces of the traction beams and the bolster beams are fixedly connected to a hinge support structure (4), and an end of the hinge support structure is connected to rear sides of the hinge seat, while the other end is connected to the partition wall; an upper portion of the hinge support structure is provided with an intermediate floor (41), and side floors (8) are provided between an upper part of one traction beam and an upper part of the side beam at a corresponding side, and between an upper part of the other traction beam and an upper part of the side beam at the corresponding side, such that the cross section direction of the vehicle body underframe forms a downward concave structure.

IPC 8 full level
B61F 1/06 (2006.01); **B61F 1/10** (2006.01)

CPC (source: CN EP)
B61D 17/20 (2013.01 - CN); **B61F 1/06** (2013.01 - CN); **B61F 1/10** (2013.01 - EP); **B61F 3/125** (2013.01 - EP)

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 3632766 A1 20200408; **EP 3632766 A4 20201021**; **EP 3632766 B1 20221102**; CN 107187458 A 20170922; CN 107187458 B 20180928; PL 3632766 T3 20230313; RS 63842 B1 20230131; WO 2018218941 A1 20181206

DOCDB simple family (application)
EP 17912173 A 20171225; CN 201710409019 A 20170602; CN 2017118290 W 20171225; PL 17912173 T 20171225; RS P20221160 A 20171225