

Title (en)

RAILWAY MODULAR ASSEMBLING UNDERFRAME AND FULL VEHICLE STRUCTURE COMPRISING SAME

Title (de)

MODULARES MONTAGEGESTELL FÜR EISENBAHNWAGEN UND DAMIT AUSGERÜSTETES FAHRZEUG

Title (fr)

CHÂSSIS DE CHEMINS DE FER À ASSEMBLAGE MODULAIRE ET STRUCTURE DE VÉHICULE COMPLÈTE LE COMPRENANT

Publication

EP 3800105 A4 20211013 (EN)

Application

EP 19925427 A 20190516

Priority

- CN 201910302558 A 20190416
- CN 2019087155 W 20190516

Abstract (en)

[origin: EP3800105A1] The present invention discloses a railway modular assembled underframe and a complete-vehicle structure including the underframe. The underframe includes a center beam module, a first crossbeam module, a sleeper beam module, and an edge beam module. The center beam module is at a middle position on the entire underframe, runs through the entire underframe along a longitudinal direction of the underframe, and is to be connected to a coupler buffer apparatus and a bogie. There are at least two first crossbeam modules respectively located at two ends of the entire underframe, disposed along a transverse direction of the underframe, and fixed to the center beam module through fasteners. There are at least two sleeper beam modules located near the two ends of the underframe, disposed along the transverse direction of the underframe, and fixed to the center beam module through fasteners, and the sleeper beam module is to be connected to the bogie. There are at least two edge beam modules respectively located on two sides of the center beam module and configured to connect two adjacent modules through fasteners.

IPC 8 full level

B61F 1/02 (2006.01); **B61D 3/16** (2006.01); **B61D 3/20** (2006.01); **B61F 1/10** (2006.01); **B61F 1/12** (2006.01)

CPC (source: CN EP)

B61D 3/20 (2013.01 - EP); **B61F 1/00** (2013.01 - CN); **B61F 1/02** (2013.01 - EP); **B61F 1/10** (2013.01 - EP); **B61F 1/12** (2013.01 - EP)

Citation (search report)

- [X1] US 740187 A 19030929 - SCOTT GEORGE W [US]
- [X1] US 1140672 A 19150525 - GIBBS FREDERICK H [US]
- See references of WO 2020211136A1

Cited by

FR3138641A1; EP4316940A1; FR3138640A1; EP4344974A1

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)

EP 3800105 A1 20210407; **EP 3800105 A4 20211013**; CN 110065516 A 20190730; CN 110065516 B 20200929; WO 2020211136 A1 20201022

DOCDB simple family (application)

EP 19925427 A 20190516; CN 2019087155 W 20190516; CN 201910302558 A 20190416