

Title (en)
TRUSS TRACK STRUCTURE AND RAIL

Title (de)
TRÄGERSPURSTRUKTUR UND SCHIENE

Title (fr)
SYSTÈME DE VOIE ET DE RAILS À TREILLIS

Publication
EP 3617024 A4 20210120 (EN)

Application
EP 18791859 A 20180427

Priority
• EA 201700316 A 20170429
• BY 2018000010 W 20180427

Abstract (en)
[origin: EP3617024A1] The invention relates to the aboveground (elevated) transport systems of trussed type, which provide high-speed cargo and passenger traffic. The trussed track structure includes rail cords, (3) and (4), of main (3₁) and auxiliary (4₁) load-bearing members of track structure S, performed in the form of longitudinally prestressed load-bearing elements (5.1) brought together in a load-bearing structure (5), positioned in the extended body (6). In parallel, rail cords are connected with each other in a truss G of superstructure by zigzag oriented rod elements (9) with plates (10) rigidly fastened on the ends thereof (10) and fastening components (11), with use of which transverse forces of clamping of plates (10) and load-bearing elements (5.1) are formed, and fixing of joined ends P₁ and P₂ of load-bearing element (5.1) of longitudinally stressed load-bearing structure (5) is performed.

IPC 8 full level
B61B 3/02 (2006.01); **B61B 5/00** (2006.01); **B61B 13/00** (2006.01); **E01B 2/00** (2006.01); **E01B 25/00** (2006.01)

CPC (source: EA EP)
B61B 3/02 (2013.01 - EA EP); **B61B 5/00** (2013.01 - EP); **B61B 13/00** (2013.01 - EA EP); **E01B 2/00** (2013.01 - EP); **E01B 5/08** (2013.01 - EA EP); **E01B 25/00** (2013.01 - EP)

Citation (search report)
• [XA] KR 20130067027 A 20130621 - KIM JAE KYEONG [KR], et al
• [XA] DE 3322951 A1 19850103 - JOHANNES DOERNEN STAHLBAUWERK [DE]
• [A] WO 2013172598 A1 20131121 - HANAM CONSTRUCTION INC [KR]
• [A] CN 105239497 A 20160113 - BEIJING DISHENG KECHUANG CONSTRUCTION ENGINEERING CO LTD, et al
• See references of WO 2018195641A1

Cited by
EP3560786A4

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 3617024 A1 20200304; **EP 3617024 A4 20210120**; **EP 3617024 B1 20231227**; **EP 3617024 C0 20231227**; CN 111094100 A 20200501; CN 111094100 B 20210716; EA 034490 B1 20200213; EA 201700316 A1 20181031; WO 2018195641 A1 20181101

DOCDB simple family (application)
EP 18791859 A 20180427; BY 2018000010 W 20180427; CN 201880042873 A 20180427; EA 201700316 A 20170429