

Title (en)
YUNITSKY TRANSPORT SYSTEM AND METHOD OF CONSTRUCTION THEREOF

Title (de)
YUNITSKY-TRANSPORTSYSTEM UND VERFAHREN ZUR KONSTRUKTION DAVON

Title (fr)
SYSTÈME DE TRANSPORT DE YOUNITSKY, ET PROCÉDÉ DE FABRICATION ET DE MONTAGE

Publication
EP 3805067 A1 20210414 (EN)

Application
EP 19808146 A 20190523

Priority
• EA 201800404 A 20180525
• BY 2019000007 W 20190523

Abstract (en)
The invention relates to the area of transport communications, particularly, to the aboveground (elevated) complex transport systems of string type, which provide high-speed cargo and passenger traffic. Transport system by Yunitski includes track structure (4) tensioned above foundation (1) in spans (2) between supports (3), which comprises aggregated extended body (5), consisting of bearing part (6), containing prestressed load-bearing member (7), and of rail cord (8) connected with it, having rolling surface (A) for motion of vehicle (9) mounted thereon. In bearing part (6) of extended body at height H, m, having variable value in span (2) between supports (3), load-bearing member (7) is fastened, with use of means of reciprocal movement and fixation of arrangement, whereas rail cord (8) is equipped with, at least, two extended longitudinal guide plates (11) of height h, m, positioned axisymmetrically to its longitudinal axis X at distance L from each other, equal to the width of bearing part of extended body. Bearing part and rail cord are configured to be reciprocally moving along the vertical Z and afterfixing to each other at design height P, m, defined by the respective dependence. As a result, high precision of positioning of rolling surfaces (A) of rail cord (8) relative to load-bearing member (7), is achieved.

IPC 8 full level
B61B 13/00 (2006.01); **E01B 25/08** (2006.01); **E01B 25/22** (2006.01)

CPC (source: EA EP)
B61B 13/00 (2013.01 - EA); **E01B 2/00** (2013.01 - EP); **E01B 25/08** (2013.01 - EA); **E01B 25/22** (2013.01 - EA); **E01D 2/00** (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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3805067 A1 20210414; **EP 3805067 A4 20220316**; CN 112770955 A 20210507; CN 112770955 B 20231031; EA 034498 B1 20200213; EA 201800404 A1 20191129; WO 2019222826 A1 20191128

DOCDB simple family (application)
EP 19808146 A 20190523; BY 2019000007 W 20190523; CN 201980047138 A 20190523; EA 201800404 A 20180525