Title (en)

STRING TRANSPORT SYSTEM

Title (de)

SAITENBAHNSYSTEM

Title (fr)

SYSTÈME DE TRANSPORT À CÂBLE

Publication

EP 4032775 A1 20220727 (EN)

Application

EP 20868100 A 20201124

Priority

- EA 201900541 A 20190925
- BY 2020000012 W 20201124

Abstract (en)

The invention relates to the area of transport, particularly, the above-ground transport systems of string type with rail track structure related to overpass-type tracks, and can be used in development of both inner-city transport highways and in construction of intercity and international transport systems.The proposed string transport system by Yunitski comprises two rail cords of the lower (3) level of the track structure and above them two rail cords of the upper (4) level of the track structure mounted on the foundation (1) between anchor (2a) supports resting on the intermediate (2b) supports; made in the form of prestressed load-bearing members (5) enclosed in the corresponding bodies (6) with mating therewith rolling surfaces (7) for wheeled vehicles (8) and forming two tracks, interconnected in spans G between adjacent supports (2) by means of two-level trussed track structure in the form of zigzag-oriented rod elements (9), forming triangles with the rail cords of the lower (3) and upper (4) levels and positioned on the outer sides of those rail cords. At each level of the track structure, left and right rail cords are connected to each other by cross bulkheads (11) installed in junction units thereof with rod elements (9). Rail cords of lower (3) level are fastened on transverse beams (13), which are pivot-lever connected to supports (2) by means of assembly units (14), located in two vertical longitudinal planes N and M with the possibility of displacement along the axis of the track structure, whereas the transverse beams (13) are arranged at conjunction points of corresponding latitudinal planes W passing through junction units (12) and centers of supports, while vertical longitudinal planes A and B, containing junction units (12), are displaced relative to vertical longitudinal planes N and M, containing assembly units (14), by the defined distance L, m.

IPC 8 full level

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CPC (source: EP)

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