

Title (en)
TRUSS TRACK STRUCTURE AND RAIL

Title (de)
TRÄGERSPURSTRUKTUR UND SCHIENE

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

Publication
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Application
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• BY 2018000010 W 20180427

Abstract (en)
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.

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