

Title (en)

Aerial cableway with two supporting and traction cables using vertically disposed pulleys.

Title (de)

Seilbahn mit zwei Trag- und Zugseilen sowie zwei vertikal versetzten Umlaufrädern.

Title (fr)

Installation de transport aérien à deux câbles porteurs-traction à poulies décalées verticalement.

Publication

EP 0282418 A1 19880914 (FR)

Application

EP 88400587 A 19880311

Priority

FR 8703330 A 19870311

Abstract (en)

[origin: EP0282418B1] 1. An aerial transport installation comprising two continuously-running parallel carrying-hauling ropes (1, 2) respectively forming two endless loops passing over terminal drive sheaves, guidance sheaves, return sheaves or tensioning sheaves located at loading/unloading stations, at least one and generally several carriers having a transverse dimension greater than the spacing of the two ropes, fitted with releasable grips (6) for engaging the ropes (1, 2), which when engaged are supported on the upper part of the ropes (1, 2), means for engaging and disengaging the grips (6) and means (11) for support/guidance of the carriers located at the loading/unloading stations in such a way that when in service the carriers are engaged between, driven and supported by the ropes (1, 2), and that in the loading/unloading stations the carriers are wholly disengaged and dissociated from the ropes (1, 2), characterised in that in at least one loading/unloading station, and for the incoming track (4) and the outgoing track (5) defined by ropes (1, 2), the respective zones (9, 16, 10, 15) in which a rope (1, 2) cooperates with the terminal sheaves (3) in the incoming (4)/outgoing (5) tracks are offset longitudinally with respect to the areas (10, 15, 9, 16) in which the other rope (2, 1) acts together with the terminal sheaves (3) in such a way that an unobstructed longitudinal space (12) is provided between the corresponding parts (13, 14) of the loops of ropes (1, 2) furthest from the station, in that at least one return sheave (3a) of at least one loop formed by a rope (1, 2) is retracted within the line of movement of the carriers, guide means (3b) causing the rope (1, 2) to make a half turn in front of and behind the return sheave (3a), and in that at least one return sheave (3a) of at least one loop formed by a rope (1, 2) is substantially parallel to the incoming track (4) and/or the outgoing track (5) although in a different plane.

Abstract (fr)

L'invention concerne une installation de transport aérien à deux câbles porteurs-traction à poulies décalées verticalement, comportant deux câbles (1, 2) porteurs-traction sensiblement parallèles, formant deux boucles sans fin passant sur des poulies (3) d'extrémité dans les stations d'extrémité d'embarquement/débarquement, au moins un et généralement plusieurs véhicules munis de pinces débrayables de serrage des câbles (1, 2), des moyens de débrayage et d'embrayage des pinces et des moyens (11) de support/guidage des véhicules se trouvant dans les stations d'embarquement/débarquement, caractérisé en ce que dans au moins une station d'embarquement/débarquement au moins une poulie de retour (3a) d'au moins une boucle formée par un câble (1, 2) située dans la position la plus extrême par rapport à cette boucle et séparant les voies d'arrivée et de départ du câble (1, 2), est sensiblement parallèle à la voie d'arrivée et/ou à la voie de départ tout en étant dans un plan différent, et en ce qu'elle comporte des moyens (3b) de guidage du câble (1, 2) vers/de cette poulie (3a), disposés en amont/en aval de cette poulie (3a).

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- [Y] FR 667430 A 19291016
- [YP] EP 0093680 A1 19831109 - CREISSELS DENIS
- [A] GB 920114 A 19630306 - FRANK WILLIAM MIDGLEY
- [A] FR 1249949 A 19610106 - CONST AERO NAVALES

Cited by

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