

Title (en)
OVERHEAD-CABLE TRANSPORT SYSTEM

Publication
EP 0187552 B1 19900103 (FR)

Application
EP 85400770 A 19850418

Priority
• JP 2385 A 19850104
• JP 2485 A 19850104

Abstract (en)
[origin: US4742777A] An aerial cable transportation system is disclosed that includes at least one vehicle supported on a carriage through a suspension with a plurality of clamps for disengageably securing the carriage to a pair of endless carrier and traction cables that are parallel to and alongside each other in a horizontal direction. The parallel cables are driven continuously at the same speed and supported by intermediate support and/or compression towers, each of which has a base, a shaft, a horizontal transverse cross arm, and two series of support and/or compression rollers for the cables. The clamps consist of two pairs of clamps, with each of the pairs of clamps being associated with one of the cables. The clamps define a rigid quadrilateral in the form of a parallelogram which is not a rectangle and which, in the engaged state, favors the synchronous passage of the two cables. The clamps each include a clamp body comprising a generally arch-shaped part mounted on the carriage with its concavity facing downwardly and extending outwardly from the carriage transversely from the direction of the movement thereof. The clamp body has an outer end defining a stationary jaw for the clamp and an inner portion and an elastically deformable member to secure the inner end portion of the arch-shaped part to the carriage while permitting a limited play of the arch-shaped part to the carriage on either side of a normal position about a transverse axis. The clamp body is pivotally mounted with respect to the carriage around a horizontal transverse pin by bearings fastened to the carriage. The stationary jaws include extensions extending in opposite directions along their associated cables but with the extensions being spaced from those on adjacent clamps to provide a clearance therebetween.

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B61B 7/04; B61B 12/02

IPC 8 full level
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CPC (source: EP US)
B61B 7/045 (2013.01 - EP US); **B61B 12/02** (2013.01 - EP US); **B61B 12/122** (2013.01 - EP US)

Cited by
US4741272A; US4794864A; CH678841A5; US4998482A; FR3001688A1; US11034366B2; WO2016012929A1

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