

Title (en)

Aerial tramway system and method having parallel haul ropes.

Title (de)

Schwebebahn-System und -Anlage mit parallelen Zugseilen.

Title (fr)

Installation de téléphérique à câbles tracteurs parallèles.

Publication

EP 0285516 A2 19881005 (EN)

Application

EP 88400772 A 19880330

Priority

- US 3192787 A 19870330
- US 15758888 A 19880219

Abstract (en)

An aerial tramway system and method are disclosed in which pairs of haul ropes (31,32,41,42) are mounted to vertically oriented bull wheels (33,34,43,44). The drive bull wheels are preferably mounted to a common drive shaft (91) to help synchronize haul rope advancement. An adjustment assembly (72) is provided on one of the pair of drive bull wheels to enable dynamic adjustment of the effective radius of the bull wheel without changing the bull wheel rotation rate. Adjustment is based upon sensor feedback to precisely synchronize the haul rope advancement. The aerial tramway system further includes a first pair of endless loop haul ropes (31,32) operating in one direction and a second pair of endless loop haul ropes (41,42) operating in an opposite direction. The passenger carrier units (24) are demountably attached to the haul ropes and transferred along transfer paths (61,62,63,64) between stations at the end of the haul ropes so as to provide a system in which the passenger carrier units can be continuously cycled around the loop formed by the two pairs of haul ropes. An adjustable bull wheel assembly and method of employing the same to maintain haul rope synchronism are also disclosed.

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CPC (source: EP)

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