Title (en)

Elevated cableway system

Title (de)

Erhöhte Seilbahn

Title (fr)

Système de téléphérique surélevé

Publication

EP 1054104 A2 20001122 (EN)

Application

EP 00115221 A 19971205

Priority

- EP 00115221 A 19971205
- EP 97950850 A 19971205

Abstract (en)

An improved cableway system for providing a track over which a vehicle traverses is disclosed. The improved system includes a catenary cable system (16) and a pair of track cable systems (14). The track cable systems (14) are hung from the catenary cable system (16) and support tracks over which a vehicle (12) traverses. A plurality of hangers (27) is employed to suspend the track cable systems (14) from the catenary cable system (16). A plurality of pylons (17) support the catenary and track cable systems (14,16). A pylon (17) includes a base pylon (21), a lower saddle (200), and an upper saddle (30). The lower saddle (200) is pivotally mounted to the base pylon (21) and supports the track cable systems (14). Preferred embodiments of the lower saddle (200) include apparatuses that dampen the application of loads to the pylon (17) by the vehicle (12) traversing the system. The upper saddle (30) is supported by the base pylon (21) and supports the catenary cable system (16) while providing for deflection of the catenary cable system (16) in response to forces applied to the cableway system. A preferred embodiment of the cableway system includes a force-equalizing assembly (300) for joining the catenary cable system (16) to the track cable system (14) at points between support pylons (17) to equalize the tension in the cables among the various cables. <IMAGE>

IPC 1-7

E01B 25/18

IPC 8 full level

E01B 25/16 (2006.01)

CPC (source: EP)

E01B 25/16 (2013.01)

Citation (applicant)

- US 4069765 A 19780124 - MULLER GERHARD
- US 4264996 A 19810505 - BALTENSPERGER RUDOLF, et al

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1052331 A2 20001115; **EP 1052331 A3 20020109**; **EP 1052331 B1 20040225**; AT E260369 T1 20040315; AT E260370 T1 20040315; AT E261512 T1 20040315; DE 69727842 D1 20040401; DE 69727842 T2 20040722; DE 69727843 D1 20040401; DE 69727843 T2 20041230; DE 69728070 D1 20040415; DE 69728070 T2 20050120; EP 1052332 A2 20001115; EP 1052332 A3 20020109; EP 1052332 B1 20040225; EP 1054104 A2 20001122; EP 1054104 A3 20020116; EP 1054104 B1 20040310; ES 2216774 T3 20041101; ES 2216775 T3 20041101; ES 2219228 T3 20041201

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EP 00115311 A 19971205; AT 00115221 T 19971205; AT 00115301 T 19971205; AT 00115311 T 19971205; DE 69727842 T 19971205; DE 69727843 T 19971205; DE 69728070 T 19971205; EP 00115221 A 19971205; EP 00115301 A 19971205; ES 00115221 T 19971205; ES 00115301 T 19971205; ES 00115311 T 19971205