

## Title (en)

Cable car or chair lift with an electric drive.

## Title (de)

Abkuppelbare Seilschwebbahn mit Elektroantrieb.

## Title (fr)

Telecabine ou télésiège débrayable a transmission électrique.

## Publication

**EP 0181243 A1 19860514 (FR)**

## Application

**EP 85401957 A 19851008**

## Priority

FR 8415865 A 19841015

## Abstract (en)

[origin: US4641584A] A detachable chair or gondola lift is disclosed wherein an alternator is driven by a rope bull-wheel. The alternator supplies a synchronous motor for driving friction wheels or other mechanisms for driving the cars in an end station of the chair or gondola lift. The electrical connection between the alternator and the synchronous motor ensures synchronous rotation of the motor. The alternator can be connected to the bull-wheel by a multiplier gear, the bull-wheel being either a tension bull-wheel or a driving bull-wheel. In the case of a tension bull-wheel, the alternator is mounted on the bull-wheel support carriage to avoid a flexible mechanical transmission. The alternator can be coupled to the high speed shaft of a driving bull-wheel reducer gear, for example, by a trapizoidal belt transmission. At low speed, the excitation of the alternator is increased to preserve the synchronism of the movements. Such excitation is accomplished by an auxiliary power source, or by self excitation by suitable permanent magnets and filters.

## Abstract (fr)

Télécabine ou télésiège débrayable dans lequel un alternateur 64 est entraîné par la poulie extrême du câble. L'alternateur alimente un moteur 16 synchrone d'entraînement des roues à friction 38 ou autres moyens de propulsion des cabines en station. A faible vitesse l'excitation de l'alternateur est augmentée pour conserver le synchronisme des déplacements.

## IPC 1-7

**B61B 12/02**

## IPC 8 full level

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## CPC (source: EP US)

**B61B 12/022** (2013.01 - EP US); **B61B 12/105** (2013.01 - EP US)

## Citation (search report)

- [X] DE 2060030 A1 19720615 - POHLIG HECKEL BLEICHERT
- [A] FR 2094270 A5 19720204 - MERLIN GERIN
- [A] CH 420242 A 19660915 - NEYRPIC ATELIERS NEYRET BEYLIE [FR]
- [A] FR 2416821 A2 19790907 - MONTAGNER RENE [FR]
- [AP] EP 0125967 A1 19841121 - POMAGALSKI SA [FR]

## Cited by

CN105896899A; EP0275403A1; CN106080615A; EP0454596A1; FR2661147A1

## Designated contracting state (EPC)

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**EP 0181243 A1 19860514; EP 0181243 B1 19881228**; AT E39447 T1 19890115; CA 1230572 A 19871222; DE 3566991 D1 19890202; FR 2571674 A1 19860418; FR 2571674 B1 19880506; JP H0665547 B2 19940824; JP S61181762 A 19860814; US 4641584 A 19870210

## DOCDB simple family (application)

**EP 85401957 A 19851008**; AT 85401957 T 19851008; CA 492389 A 19851007; DE 3566991 T 19851008; FR 8415865 A 19841015; JP 22854985 A 19851014; US 78230285 A 19851001