

Title (en)
SELF-PROPELLED CARRIAGE WITH ENERGY RECOVERY FUNCTION FOR CABLEWAYS

Title (de)
SELBSTFAHRENDER LAUFWAGEN MIT ENERGIERÜCKGEWINNUNG FÜR SEILBAHNEN

Title (fr)
CHARIOT AUTOTRACTÉ AVEC RÉCUPÉRATION D'ÉNERGIE POUR TÉLÉPHÉRIQUES

Publication
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Application
EP 17791937 A 20170929

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Abstract (en)
[origin: WO2018065090A1] The invention relates to a self-propelled carriage for cableways, the support cable of which is clamped between a loading region and an unloading region. The movement of the carriage along the support cable is carried out by means of cable rollers (1) or on a warp cable or a hauling cable (10) or by means of force transmission devices acting directly on the support cable, such as crawlers or cable rollers, and the lifting and lowering of the load is carried out by means of a cable winch (5) or a load lifting device provided on the carriage. The invention is characterized in that the motor (M/G) for the drive of the aforementioned cable roller (1), crawler, or force transmission devices and the motor (m/g) for the drive of the cable winch (5) or load lifting device are electric motors which function as generators when traveling along a cable section with an incline and/or when lowering the load and/or during a braking maneuver, wherein the generated electric energy of the motors is stored in one or more storage units provided on the carriage, and the stored energy can be used to move the carriage along cable sections or drive the cable winch (5) or load lifting device.

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Citation (search report)
See references of WO 2018065090A1

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