

Title (en)
SYSTEM, KIT, AND ELECTRONIC MODULE FOR COMPENSATING FOR THE WEIGHT OF AN OBJECT

Title (de)
SYSTEM, KIT UND ELEKTRONISCHES MODUL ZUM AUSGLEICH EINER GEWICHTSKRAFT EINES GEGENSTANDS

Title (fr)
SYSTÈME, KIT ET MODULE ÉLECTRONIQUE POUR COMPENSER LE POIDS D'UN OBJET

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Abstract (en)
[origin: WO202223271A1] The invention relates to a system for compensating for the weight of an object. In the process, the object is secured to a traction cable, and the traction cable is guided in or on a cantilever arm in the direction of a back structure of the system, wherein a second end of the cantilever arm is received by a back structure, and the system can be carried by a user of the system by means of the back structure. The system is characterized by an electronic module comprising a device for winding the traction cable and a motor for driving the device for winding the traction cable, said system being designed to ascertain a counterforce for the weight of the object and transfer same to the object. According to the invention, it is particularly preferable that a controller of the system is designed to set a counterforce with respect to the weight of the object. Preferably, the system can be designed to establish an equilibrium between the weight of the object and the counterforce. Additional aspects of the invention relate to an electronic module for compensating for the weight of an object and to a kit which comprises such an electronic module, a traction cable, and at least one deflecting roller. By virtue of the invention, the weight of an object which can be secured to a traction cable of a proposed compensation system can be compensated for particularly readily and so as to be gentle on the back.

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