

Title (en)
METHOD AND SYSTEM EQUALIZING FORCES RESPECTIVELY MOMENTS OF A POINT PULL SYSTEM OR PROSPECT PULL SYSTEM

Title (de)
VERFAHREN UND SYSTEM ZUM AUSGLEICHEN VON KRÄFTEN BZW. MOMENTEN IN EINER PUNKTZUGANLAGE ODER PROSPEKTZUGANLAGE

Title (fr)
PROCEDE ET SYSTEME DE ÉGALISATION DES FORCES RESPECTIVEMENT MOMENTS D'UN SYSTÈME DE TIRER A POINT OU TIRER A PROSPECT

Publication
EP 2563709 A1 20130306 (DE)

Application
EP 11730867 A 20110420

Priority
• AT 6952010 A 20100427
• AT 2011000193 W 20110420

Abstract (en)
[origin: WO2011133993A1] The invention relates to a method and system for balancing forces or torques in a point-hoist system or flybar system or coupled point-hoist and flybar system having a plurality of actuators (30) for moving an object (6) hanging on ropes, wherein the following elements are provided: a sensor (18) associated with each actuator (30) for determining the force or the torque of each actuator (30) during the motion of the object (6) to be transported, a fixing device for fixing at least two actuators, the respective determined values of the force or the torque of which are defined as reference variables, an additional open- or closed-loop control device (16) for controlling the force or the torque of at least one actuator different from the actuators used to define the reference variables in approximation of one of the reference variables in an open- or closed-loop manner. Thus it is possible, in particular, to avoid overloading individual actuators or motors (30) during the motion of an object (6) hanging on ropes.

IPC 8 full level
B66D 1/26 (2006.01); **A63J 1/02** (2006.01); **B66D 1/48** (2006.01)

CPC (source: EP)
B66D 1/26 (2013.01); **B66D 1/48** (2013.01)

Citation (search report)
See references of WO 2011133993A1

Cited by
DE102021128575B3

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011133993 A1 20111103; AT 509781 A1 20111115; AT 509781 B1 20130215; EP 2563709 A1 20130306; EP 2563709 B1 20140521; ES 2485367 T3 20140813; PL 2563709 T3 20141031; PT 2563709 E 20140806; RS 53497 B1 20150227

DOCDB simple family (application)
AT 2011000193 W 20110420; AT 6952010 A 20100427; EP 11730867 A 20110420; ES 11730867 T 20110420; PL 11730867 T 20110420; PT 11730867 T 20110420; RS P20140442 A 20110420