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(54) Title: LIFTING DEVICE AND CONTROL DEVICE AND METHOD THEREFOR, AND CONTROL DEVICE AND METHOD FOR ELECTRONIC GUIDE PLATE

(54) 发明名称: 起吊装置及其控制装置和方法、电子导板控制装置和方法

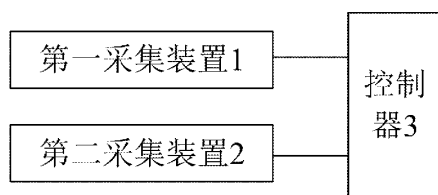


图 1

1 First acquisition device
2 Second acquisition device
3 Controller

(57) Abstract: Disclosed are a lifting device and a control device and method therefor, and a control device and a method for an electronic guide plate. The lifting device comprises: a lifting appliance (5), the lifting appliance (5) comprising a lifting appliance body and a plurality of lifting component mounting members uniformly distributed on the same side surface of the lifting appliance body, the lifting component mounting member being configured to mount a lifting component (103); a plurality of adjustment mechanisms (104), the plurality of adjustment mechanisms being respectively connected to a mounting member of one lifting component (103); a plurality of electronic guide plates (6), wherein the plurality of electronic guide plates are respectively connected to the mounting member of one lifting component (103) and are used for detecting posture information of the lifting appliance (5); a first acquisition device (1) and a second acquisition device (2), which are arranged inside the electronic guide plate (6) and are respectively used for acquiring first point cloud data and second point cloud data; and a controller (3), the controller being connected to the plurality of electronic guide plates (6) and being used for controlling the adjusting mechanisms (104) to adjust the posture of the lifting appliance (5) on the basis of the posture information acquired by the electronic guide plates (6). The device can accurately detect deviation, can perform calibration and has a high reliability.

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本国际公布:

- 包括国际检索报告(条约第21条(3))。

(57) 摘要: 一种起吊装置及其控制装置和方法、电子导板控制装置和方法, 起吊装置包括: 吊具(5), 吊具(5)包括吊具本体和在吊具本体的同一侧面均匀分布的多个起吊部件安装件, 起吊部件安装件构造为安装起吊部件(103); 多个调节机构(104), 分别与一个起吊部件(103)的安装件连接; 多个电子导板(6), 分别与一个起吊部件(103)的安装件连接, 用于检测吊具(5)的姿态信息; 电子导板(6)内设置第一采集装置(1)和第二采集装置(2), 用于分别采集第一点云数据和第二点云数据; 以及控制器(3), 与多个电子导板(6)连接, 用于基于电子导板(6)获取的姿态信息, 控制调节机构(104)调整吊具(5)的姿态。该装置可以准确检测偏差, 并且可以进行校验, 可靠性高。