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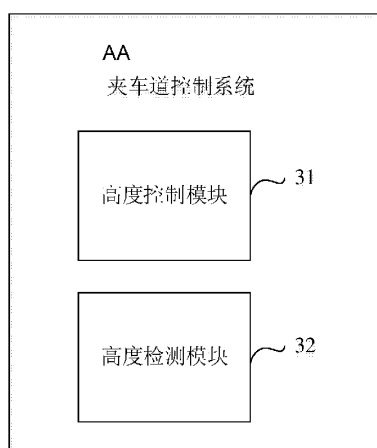
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202010076992.1 2020 年 1 月 23 日 (23.01.2020) CN
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(54) Title: CLAMPING VEHICLE LANE CONTROL METHOD AND SYSTEM, ELECTRONIC DEVICE AND STORAGE MEDIUM

(54) 发明名称: 夹车道控制方法及系统、电子设备及存储介质



- 31 Height control module
32 Height detection module
AA Clamping vehicle lane control system

图 7

(57) Abstract: A clamping vehicle lane control method and system, an electronic device and a storage medium. A clamping vehicle lane (1) has a vehicle carrying plane (11) that is used to carry an electric vehicle (9) and that can be raised and lowered. The clamping vehicle lane control method comprises: controlling the vehicle carrying plane (11) to be raised and lowered between any two heights among an initial height, a battery removal height, and a battery installation height, wherein the battery removal height is a height that matches a battery pack removal process of the electric vehicle (9), and the battery installation height is a height that matches a battery pack installation process of the electric vehicle (9). In the present invention, the height of the vehicle carrying plane (11) is controlled so that the vehicle carrying plane (11) may meet battery replacement requirements of each stage, thus shortening the overall battery replacement time, and improving the efficiency of battery replacement.

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WO 2021/148029 A1

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根据细则4.17的声明:

- 关于申请人有权申请并被授予专利(细则
4.17(ii))
- 发明人资格(细则4.17(iv))

本国际公布:

- 包括国际检索报告(条约第21条(3))。

(57) 摘要: 一种夹车道控制方法及系统、电子设备及存储介质。其中, 夹车道(1)具有用于承载电动汽车(9)且可升降的载车平面(11); 夹车道控制方法包括: 控制所述载车平面(11)在初始高度、拆电池高度和装电池高度中的任意两个高度之间进行升降, 拆电池高度为与电动汽车(9)拆电池包过程相配合的高度, 装电池高度为与电动汽车(9)装电池包过程相配合的高度。本发明对载车平面(11)进行高度控制, 使得载车平面(11)可以满足各阶段的换电需求, 缩短整体的换电时间、提高换电效率。