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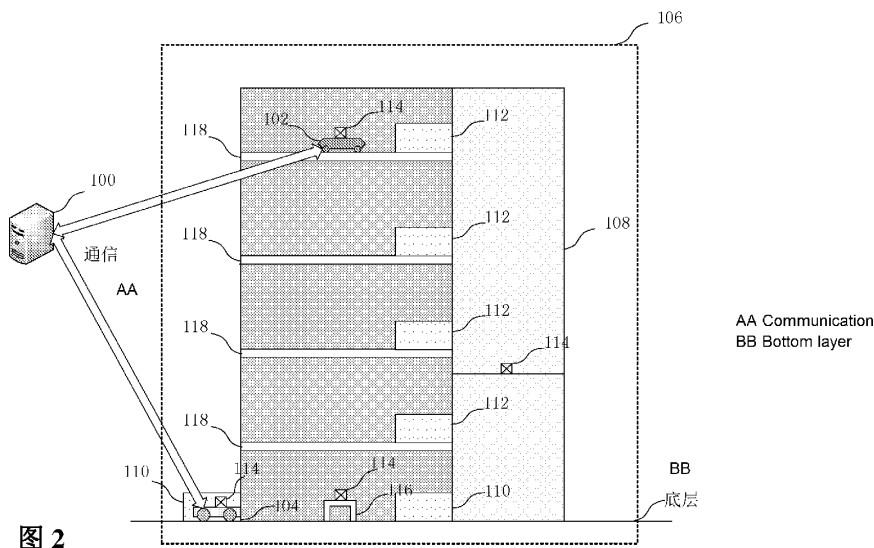
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(54) Title: THREE-DIMENSIONAL WAREHOUSE CARRYING AND DISPATCHING SYSTEM AND METHOD FOR ACHIEVING GOODS PICKING

(54) 发明名称: 一种用于实现货物拣选的立体仓库搬运调度系统和方法



(57) Abstract: Disclosed are a three-dimensional warehouse carrying and dispatching system and method for achieving goods picking. The system comprises: one or more control centers (100), one or more first handling devices (102), one or more second handling devices (104), at least one three-dimensional warehouse (106) and at least one lifting device (108). The three-dimensional warehouses (106) are each provided with multiple layers, the layers of each three-dimensional warehouse communicate by means of the at least one lifting device (108), and a control center (100) communicates with a first handling device (102) and a second handling device (104), respectively. In said system, by using a mixture of the first carrying device(s) and the second carrying device(s) in the three-dimensional

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warehouses and using a carrying function of the lifting devices in the three-dimensional warehouses, the first carrying device(s) and the second carrying device(s) may cooperate in a dense storage warehouse to carry goods, thus avoiding paving tracks on a bottom layer of the warehouse and enabling the warehouse layout to be flexibly changed, and the required number of first carrying devices may be reduced, which reduces the costs of operating the warehouse, and carrying efficiency may be improved.

(57) 摘要: 公开了一种用于实现货物拣选的立体仓库搬运调度系统及方法。该系统包括: 一个或多个控制中心(100)、一个或多个第一搬运设备(102)、一个或多个第二搬运设备(104)、至少一个立体仓库(106)以及至少一个升降设备(108), 一个立体仓库(106)设置有多层, 并由至少一个升降设备(108)连通所述立体仓库的各层, 控制中心(100)分别与第一搬运设备(102)和第二搬运设备(104)通信。该系统通过在立体仓库混合使用第一搬运设备以及第二搬运设备, 利用立体仓库中的升降设备搬运功能, 使得第一搬运设备和第二搬运设备可协作在密集存储仓库中搬运货物, 避免了在仓库底层铺设轨道, 使得仓库布局可以灵活改变, 并可减少第一搬运设备需求数量, 降低了仓库运行成本, 实现了搬运效率的提升。