

DISPATCHING SYSTEM AND METHOD FOR ITEM PICKING OF A THREE-DIMENSIONAL WAREHOUSE

ABSTRACT

A dispatching system for item picking of a three-dimensional warehouse includes: one or more control centers, one or more first handling devices, one or more second handling devices, at least one three-dimensional warehouse, and at least one lifting device, wherein the three-dimensional warehouse is provided with a plurality of floors, the plurality of floors of the three-dimensional warehouse are communicated by the at least one lifting device, and the one or more control centers each communicate with the one or more first handling devices and the one or more second handling device. 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 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.

Fig 2