IN-WAREHOUSE PICKING CONTROL METHOD AND SYSTEM

ABSTRACT

An in-warehouse picking control method and system. The method is applied to a stereoscopic warehouse, which comprises a plurality of racks (10), wherein the racks (10) are provided with multi-tier reservation units (101), and bins (104) are placed in slots (103) of the reservation units (101); and according to a current order, a control server is configured for, determining a first target slot where first goods to be picked are located based on goods picking information of the current order; controlling a first in-warehouse picking robot (1) corresponding to the first target slot to take out the first goods to be picked and place the first goods to be picked on a docking assembly or a docking bin (4) of an autonomous mobile robot (105); scheduling the autonomous mobile robot (105) to move to a second target slot where second goods to be picked are located, wherein the autonomous mobile robot (105) is positioned within a reachable range of a second in-warehouse picking robot (1); controlling the second in-warehouse picking robot (1) to take the second goods to be picked out of the second target slot and place the second goods to be picked on the docking assembly or the docking bin (4) of the autonomous mobile robot (105); and repeating the above steps until all goods to be picked are placed on the docking assembly or the docking bin (4) of the autonomous mobile robot (105), such that the autonomous mobile robot (105) transports all the goods to be picked to a workstation.

Fig 3.