

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 each rack (10) is provided with a plurality of layers of storage spaces (101), and goods boxes (104) are placed at storage locations in the storage spaces (101). According to the current order, a control server is configured to: on the basis of picked-goods information of the current order, determine a first target storage location (B1) where first picked goods (A1) are located; control a first in-warehouse picking robot (C1) corresponding to the first target storage location (B1) to pick up the first picked goods (A1) and place same onto a transferring assembly or transferring goods box of a ground freight robot (D1); dispatch the ground freight robot (D1) to move to a second target storage location (B2) where second picked goods (A2) are located, wherein the ground freight robot (D1) is located within a reachable range of a second in-warehouse picking robot (C2); control the second in-warehouse picking robot (C2) to pick up the second picked goods (A2) from the second target storage location (B2) and place the second picked goods onto the transferring assembly or transferring goods box of the ground freight robot (D1); and repeat the above steps to complete a rapid order fulfillment and outbound process.

Fig 3.