

CLAIMS

1. A replenishment method, comprising:

obtaining a replenishment order, and determining a mapping relationship between goods information of replenishment goods in the replenishment order and a storage space of a put wall, wherein the determining a mapping relationship between goods information of replenishment goods in the replenishment order and a storage space of a put wall comprises: receiving an input mapping relationship between goods information of the replenishment goods in the replenishing order and the storage space of the put wall; the mapping relationship is used for instructing to correspondingly place target replenishment goods into a target storage space of the put wall; the put wall is used for sorting and storing the target replenishment goods; and

determining a target inventory box corresponding to the target replenishment goods placed in the target storage space of the put wall, wherein the target inventory box is used for loading the target replenishment goods.

2. The method according to claim 1, wherein determining the target inventory box corresponding to the target replenishment goods placed in the target storage space of the put wall comprises:

receiving an entered box type, and determining the target inventory box according to the entered box type; or

obtaining an inventory box type corresponding to goods information of the target storage space, and determining the target inventory box according to the inventory box type; or

obtaining box types each with a full box record corresponding to goods information of the target storage space, and determining the target inventory box according to the box types with the full box records; or

obtaining an inventory box with an empty compartment, and determining the target inventory box according to the inventory box with an empty compartment; or

obtaining a default box type, and determining the target inventory box according to the default box type.

3. The method according to claim 2, wherein determining the target inventory box according to the box types with the full box records comprises:

obtaining a box type with inventory among the box types with the full box records; and
determining the target inventory box according to the box type with inventory among the box types with the full box records.

4. The method according to claim 3, further comprising:

determining whether the box type with inventory among the box types with the full box records is capable of accommodating the target replenishment goods in the target storage space; and

performing, if yes, the step of determining the target inventory box according to the box type with inventory among the box types with the full box records.

5. The method according to claim 4, wherein determining whether the box type with inventory among the box types with the full box records is capable of accommodating the target replenishment goods in the target storage space comprises:

obtaining a total loading quantity corresponding to the box type with inventory among the box types with the full box records;

obtaining a loaded quantity of the box type with inventory among the box types with the full box records;

determining, according to the total loading quantity and the loaded quantity, whether the box type with inventory among the box types with the full box records is capable of accommodating the target replenishment goods in the target storage space; and

determining, when a quantity of the target replenishment goods in the target storage space is less than or equal to a difference between the total loading quantity and the loaded quantity, that the box type with inventory among the box types with the full box records is capable of accommodating the target replenishment goods in the target storage space.

6. The method according to claim 5, wherein a method for generating the total loading quantity corresponding to the box type with the full box record comprises:

recording a loaded quantity of the target inventory box as the total loading quantity corresponding to the box type with the full box record, if a loading completion instruction of the target inventory box is received and the target replenishment goods exist in the target storage space when loading the target replenishment goods in the target storage space into the target inventory box; or

recording a loaded quantity of the target inventory box as the total loading quantity corresponding to the box type with the full box record, if a full box instruction for the target inventory box is received when loading the target replenishment goods in the target storage space into the target inventory box.

7. The method according to claim 6, further comprising:

obtaining total loading quantities corresponding to a box type with the full box record with the same goods information for preset times; and

determining the total loading quantity of the box type with the full box record according to the total loading quantities corresponding to the box type in the full box record with the same goods information for the preset times.

8. The method according to any one of claims 4 to 7, further comprising:

obtaining an empty box of a box type with the full box record if there is no box type with inventory among the box types with the full box records or the box type with inventory among the box types with the full box records is incapable of accommodating the target replenishment goods in the target storage space; and

determining the target inventory box according to the empty box of the box type with the full box record.

9. The method according to claim 8, further comprising:

determining whether the empty box of the box type with the full box record is capable of accommodating the target replenishment goods in the target storage space; and

performing, if yes, the step of determining the target inventory box according to the empty box of the box type with the full box record.

10. The method according to claim 9, further comprising:

changing the box type if the empty box of the box type with the full box record is incapable of accommodating the target replenishment goods in the target storage space; and

determining the target inventory box according to the changed box type.

11. The method according to claim 9, further comprising:

determining the target inventory box according to the empty box of the box type with the full box record if the empty box of the box type with the full box record is incapable of accommodating the target replenishment goods in the target storage space.

12. The method according to claim 11, further comprising:

sending a restocking instruction when it is detected that all the target replenishment goods with the goods information corresponding to the target storage space are not placed into the target storage space, wherein the restocking instruction is used for instructing to replenish the target replenishment goods with the goods information corresponding to the target storage space in the target storage space.

13. The method according to any one of claims 1 to 12, further comprising:

sending a storage instruction when it is detected that a quantity of target inventory boxes loaded with the target replenishment goods reaches a preset threshold, wherein the storage instruction is used for instructing to put the target inventory boxes at corresponding positions

of a warehouse.

14. The method according to any one of claims 1 to 13, wherein after determining a target inventory box corresponding to the target replenishment goods placed in the target storage space of the put wall, the method further comprises:

changing the inventory box when the target inventory box is unloaded, wherein the changed inventory box is used for loading target replenishment goods corresponding to the unloaded target inventory box.

15. The method according to any one of claims 1 to 14, further comprising:

sending a box taking instruction after the target inventory box corresponding to the target replenishment goods placed in the target storage space is determined, wherein the box taking instruction is used for instructing to transport the target inventory box to a workstation.

16. A replenishment apparatus, comprising:

an obtaining module, configured to: obtain a replenishment order, and determine a mapping relationship between goods information of replenishment goods in the replenishment order and a storage space of a put wall, wherein the determining a mapping relationship between goods information of replenishment goods in the replenishment order and a storage space of a put wall comprises: receiving an input mapping relationship between goods information of the replenishment goods in the replenishing order and the storage space of the put wall; the mapping relationship is used for instructing to correspondingly place target replenishment goods into a target storage space of the put wall; the put wall is used for sorting and storing the target replenishment goods; and

a determining module, configured to determine a target inventory box corresponding to the target replenishment goods placed into the target storage space of the put wall, wherein the target inventory box is used for loading the target replenishment goods.

17. A computer device, comprising a memory and a processor, the memory storing a computer program, wherein the processor, when executing the computer program, implements steps of the method according to any one of claims 1 to 15.

18. A computer-readable storage medium, storing a computer program, wherein when the computer program is executed by a processor, steps of the method according to any one of claims 1 to 15 are implemented.