

## CLAIMS

1. An order processing method, applied to a server, the method comprising:
  - obtaining a free slot capacity and a preset virtual capacity of a workstation; and
  - determining a to-be-processed order of the workstation according to the free slot capacity and the virtual capacity, wherein a quantity of the to-be-processed order is a sum of the free slot capacity and the virtual capacity, the to-be-processed order comprises a currently processed order and a delayed processed order, a quantity of the currently processed order is the free slot capacity, and a quantity of the delayed processed order is the virtual capacity;
  - generating a first outbound instruction according to the currently processed order;
  - generating a second outbound instruction according to the delayed processed order;
  - sending the first outbound instruction to a first transfer device so as to cause the first transfer device to move goods in the currently processed order to the workstation for picking; and
  - sending the second outbound instruction to a second transfer device so as to cause the second transfer device to move goods in the delayed processed order to a pre-storage area for waiting to pick.
2. The method according to claim 1, wherein the determining the to-be-processed order of the workstation according to the free slot capacity and the virtual capacity comprises:
  - obtaining a priority of a to-be-assigned order; and
  - determining the to-be-processed order from the to-be-assigned order according to the priority of the to-be-assigned order.
3. The method according to claim 2, wherein after the determining the to-be-processed order from the to-be-assigned order according to the priority of the to-be-assigned order, the method further comprises:
  - obtaining a priority of the to-be-processed order; and
  - determining the currently processed order and the delayed processed order from the to-be-processed order according to the priority of the to-be-processed order.
4. The method according to claim 1, wherein the generating a first outbound instruction according to the currently processed order comprises:
  - obtaining first order information of the currently processed order and a location of a workstation; and generating the first outbound instruction according to the first order information and the location of the workstation; and

wherein the generating a second outbound instruction according to the delayed processed order comprises:

obtaining second order information of the delayed processed order and a location of a pre-storage area; and generating the second outbound instruction according to the second order information and the location of the pre-storage area;

wherein the first transfer device is different from the second transfer device.

5. The method according to claim 1, wherein the first transfer device and the second transfer device are a same transfer device;

wherein the generating a first outbound instruction according to the currently processed order and the generating a second outbound instruction according to the delayed processed order comprises:

obtaining first order information of the currently processed order, second order information of the delayed processed order, a location of a workstation, and a location of a pre-storage area; and

generating a third outbound instruction according to the first order information, the second order information, the location of the workstation, and the location of the pre-storage area;

wherein the sending the first outbound instruction to the first transfer device and the sending the second outbound instruction to the second transfer device comprises:

sending the third outbound instruction to the first transfer device so as to cause the first transfer device to move goods in the currently processed order to the workstation for picking, and to move goods in the delayed processed order to the pre-storage area for waiting, and the goods in the currently processed order are moved to the workstation preferentially.

6. The method according to any one of claims 1 to 4, wherein after the determining to-be-processed order of the workstation according to the free slot capacity and the virtual capacity, the method further comprises:

receiving a working status of a slot sent by the workstation; and

generating a scheduling instruction according to a priority of the delayed processed order when the working status is switched from an occupied state to an idle state;

wherein the scheduling instruction is used for causing the second transfer device to move goods in the delayed processed order from the pre-storage area to the workstation for picking.

7. An outbound method comprising:

receiving, by a first transfer device, a first outbound instruction sent by a server, wherein the outbound instruction is generated according to a currently processed order of a to-be-processed order, the to-be-processed order is determined according to a free slot capacity and

a preset virtual capacity of a workstation, and a quantity of the currently processed order is the free slot capacity;

receiving, by a second transfer device, a second outbound instruction sent by the server, wherein the second outbound instruction is generated according to a delayed processed order of the to-be-processed order, a quantity of the delayed processed order is the virtual capacity, and a quantity of the to-be-processed order is a sum of the free slot capacity and the virtual capacity;

moving, by the first transfer device, goods in the currently processed order to the workstation for picking; and

moving, by the second transfer device, goods in the currently processed order to the pre-storage area for waiting to pick.

8. The method according to claim 7, wherein

the moving, by the first transfer device, the goods in the currently processed order to the workstation for picking comprises: moving, by the first transfer device, a first case corresponding to first goods in the currently processed order from the warehouse to the workstation according to the first outbound instruction;

wherein the moving, by the second transfer device, the goods in the currently processed order to the pre-storage area for waiting comprises: moving, by the second transfer device, a second case corresponding to second goods in the delayed processed order from the warehouse to a pre-storage area according to the second outbound instruction; and

wherein the first transfer device is different from the second transfer device.

9. The method according to claim 7, wherein the first transfer device and the second transfer device are a same transfer device;

wherein the receiving, by a first transfer device, a first outbound instruction sent by a server, and the receiving, by a second transfer device, a second outbound instruction sent by the server comprises:

receiving, by a first transfer device, a third outbound instruction sent by the server;

wherein the moving, by the first transfer device, the goods in the currently processed order to the workstation for picking; and moving, by the second transfer device, the goods in the currently processed order to the pre-storage area for waiting comprises:

moving, by the first transfer device, a first case corresponding to first goods in the currently processed order and a second case corresponding to second goods in the delayed processed order from the warehouse to the workstation according to the third outbound instruction; and

wherein the goods in the currently processed order are moved to the workstation preferentially.

10. The method according to claim 9, wherein the moving, by the first transfer device, a first case corresponding to first goods in the currently processed order and a second case corresponding to second goods in the delayed processed order from the warehouse to the workstation according to the third outbound instruction comprises:

parsing, by the first transfer device, a first path from the third outbound instruction;

respectively taking out, by the first transfer device, the first case and the second case from the warehouse according to the first path; and

moving, by the first transfer device, the first case and the second case to the workstation according to the first path.

11. The method according to claim 10, wherein after the first case and the second case are moved to the workstation, the method further comprises:

determining, by the first transfer device, whether the first goods are taken out from the first case;

moving, by the first transfer device, the second case to a pre-storage area according to the first path if the first goods are taken out from the first case; or

continuously stopping at the workstation if the first goods are not taken out from the first case.

12. The method according to claim 8, wherein after the second case is moved to the pre-storage area by the second transfer device, the method further comprises:

receiving, by the second transfer device, a scheduling instruction sent by the server, wherein the scheduling instruction is generated when a working status of slots of the workstation is switched from an occupied state to an idle state;

and moving, by the second transfer device, the second case from the pre-storage area to the workstation.

13. The method according to claim 8, wherein the moving, by the second transfer device, a second case corresponding to second goods in the delayed processed order from the warehouse to the pre-storage area according to the second outbound instruction specifically comprises:

parsing, by the second transfer device, a third path from the second outbound instruction;

taking out, by the second transfer device, the second case from the warehouse according to the third path; and

moving, by the second transfer device, the second case from the warehouse to the pre-

storage area according to the third path.

14. A server, comprising:

a memory, configured to store a program; and

a processor, configured to execute the program stored in the memory, wherein when the program is executed, the processor is configured to perform the order processing method according to any one of claims 1 to 6.

15. A transfer device, comprising:

a memory, configured to store a program; and

a processor, configured to execute the program stored in the memory, wherein when the program is executed, the processor is configured to perform the outbound method according to any one of claims 7 to 13.

16. A scheduling system, comprising: the server according to claim 14, the transfer device according to claim 15, and a workstation.

17. A computer-readable storage medium, comprising instructions, wherein the instructions, when run on a computer, cause the computer to perform the order processing method according to any one of claims 1 to 6 and the outbound method according to any one of claims 7 to 13.