

CLAIMS

1. A method operable by an electronic apparatus for transporting an item, the method comprising:

identifying characteristic information of the item;

5 determining whether the identified characteristic information comprises main characteristic information associated with planned placement or general characteristic information associated with random placement;

when the identified characteristic information comprises the main characteristic information, identifying a placement space corresponding to the main characteristic
10 information among a plurality of placement spaces;

when the identified characteristic information comprises the general characteristic information, randomly identifying one placement space among the plurality of placement space; and

controlling a transport device to transport the item to a location corresponding to
15 the identified placement space.

2. The method of claim 1, wherein the identifying of the characteristic information comprises:

acquiring basic information of the item from a user terminal; and

20 based on the acquired basic information, identifying the characteristic information of the item,

wherein the basic information of the item comprises information regarding at least one of an item name, an item type, and a serial number assigned to the item.

25 3. The method of claim 2, further comprising transmitting the identified

characteristic information to the user terminal, wherein the identified characteristic information is displayed on the user terminal.

4. The method of claim 1, wherein controlling the transport device comprises:

5 in response to determining the identified placement space is a plurality of
identified placement spaces, selecting one placement space among the plurality of
identified placement spaces based on information regarding at least one of the following:
an available volume in each of the plurality of identified placement spaces, a number of
workers assigned to each of the plurality of identified placement spaces, and a number of
10 types of items placed at each of the plurality of identified placement spaces; and

controlling the transport device to transport the item to a location corresponding
to the selected placement space.

5. The method of claim 4, wherein the selecting of the placement space comprises:

15 identifying information regarding the available volume of each of the plurality
of identified placement spaces; and

selecting a placement space having a largest available volume among the
plurality of identified placement spaces as a placement space to which the item is to be
transported.

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6. The method of claim 4, wherein the selecting of the placement space comprises:

identifying information regarding the number of workers assigned to each of the
plurality of identified placement spaces; and

selecting a placement space having a largest number of assigned workers among
25 the plurality of identified placement spaces as a placement space to which the item is to

be transported.

7. The method of claim 4, wherein the selecting of the placement space comprises:
identifying a number of types of items preplaced in each of the plurality of
5 identified placement spaces; and
selecting a placement space having a smallest number of types of preplaced items
among the plurality of identified placement spaces as a placement space to which the item
is to be transported.
- 10 8. The method of claim 4, wherein the information regarding the at least one is
received from the user terminal.
9. The method of claim 1,
wherein each of the plurality of placement spaces comprises a predetermined
15 space to place an item therein; and
wherein the main characteristic information comprises information regarding at
least one of a sales rate, a risk of damage, a price, a theft rate, and a loss rate.
10. The method of claim 1, wherein the main characteristic information comprises
20 information regarding a characteristic with a sales rate equal to or greater than a particular
value, a characteristic with a risk of damage equal to or greater than a particular value, a
characteristic with a price equal to or greater than a particular value, a characteristic with
a theft rate equal to or greater than a particular value, or a characteristic with a loss rate
equal to or greater than a particular value.

11. The method of claim 1, wherein when the main characteristic information comprises a characteristic with a sales rate equal to or greater than a particular value, the placement space corresponding to the main characteristic information comprises a placement space within a predetermined distance from a shipping location.

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12. The method of claim 1, wherein when the main characteristic information comprises a characteristic with a risk of damage equal to or greater than a particular value, the placement space corresponding to the main characteristic information comprises a placement space within a predetermined distance from a receiving location or a shipping
10 location.

13. The method of claim 1, wherein when the main characteristic information comprises a characteristic with a price equal to or greater than a particular value, a characteristic with a theft rate equal to or greater than a particular value, or a characteristic
15 with a loss rate equal to or greater than a particular value, the placement space corresponding to the main characteristic information comprises a placement space within a predetermined distance from a preset location.

14. The method of claim 1, wherein the general characteristic information comprises
20 information on a characteristic with a sales rate less than a particular value, a characteristic with a risk of damage less than a particular value, a characteristic with a price less than a particular value, a characteristic with a theft rate less than a particular value, or a characteristic with a loss rate less than a particular value.

25 15. The method of claim 1, wherein the placement space corresponding to the main

characteristic information is predetermined based on a user input.

16. The method of claim 1, wherein the characteristic information of the item is predetermined according to a type of the item.

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17. The method of claim 1, further comprising transmitting information regarding the identified placement space to a user terminal.

18. The method of claim 1, wherein the transport device comprises a conveyor
10 connected to the electronic apparatus.

19. An electronic apparatus for transporting an item, the apparatus comprising:
a memory storing at least one instruction, and
a processor configured to execute the stored at least one instruction to:
15 identify characteristic information of an item,
determine whether the identified characteristic information comprises
main characteristic information associated with planned placement or general
characteristic information associated with random placement,
when the identified characteristic information comprises the main
20 characteristic information, identify a placement space corresponding to the main
characteristic information among a plurality of placement spaces,
when the identified characteristic information comprises the general
characteristic information, randomly identify one placement space among the
plurality of placement spaces, and
25 control the carrying device to carry the item to a location corresponding

to the identified placement space.

20. A non-transitory computer-readable program having stored thereon a program, which, when executed, cause by a computer, an operation method of an electronic apparatus to transport an item, the operation method comprising:
- 5 identifying characteristic information of the item;
- determining whether the identified characteristic information comprises main characteristic information associated with planned placement or general characteristic information associated with random placement;
- 10 when the identified characteristic information comprises the main characteristic information, identifying a placement space corresponding to the main characteristic information among a plurality of placement spaces;
- when the identified characteristic information comprises the general characteristic information, randomly identifying one placement space among the plurality
- 15 of placement space; and
- controlling the transport device to transport the item to a location corresponding to the identified placement space.