CLAIMS

1. A method for order information determination, the method comprising:

acquiring a container identifier of a commodity container, from a mobile device of a user, the container identifier corresponding to a user identifier of the user, and the commodity container being used to contain a commodity picked by the user;

determining a distance between the commodity and the commodity container according to location information obtained by locating the commodity and the commodity container, the location information of the commodity and of the commodity container being updated in real time; and

adding commodity information of the commodity to an order if the distance is in a predetermined range, the order being the order of the user identifier corresponding to the container identifier.

2. The method of claim 1, wherein determining the distance comprises:

receiving tag signals sent by location tags on the commodity and the commodity container, the tag signals comprising the commodity information and the container identifier;

locating the location tags according to the tag signals to obtain location information of a commodity location tag and location information of a commodity container location tag respectively; and

calculating a distance between the commodity location tag and the commodity container location tag according to the location information.

3. The method of claim 2, wherein the location tags comprise a radio frequency identification (RFID) tag.

4. The method of claim 1, wherein before determining the distance comprises:

determining, according to the location information, that the user arrives at an exit region.

5. The method of claim 1, wherein determining the distance comprises:

determining the distance between the commodity and the commodity container in a commodity storage region, and adding commodity information of the commodity to the order if the distance is in the predetermined range; and

6. The method of claim 1, wherein adding commodity information of the commodity to the order if the distance is in the predetermined range comprises:

checking whether the commodity in the predetermined range of the commodity container is added to the order when it is determined, according to the location information, that the user arrives at the exit region; and

triggering an alarm if the commodity being in the predetermined range but not in the order is found.

7. The method of claim 1, wherein the method further comprises:

removing the commodity from the order if it is determined that the distance is changed from being in the predetermined range to being out of the predetermined range.

8. The method of claim 1, wherein the location information of the commodity is determined

from signals received by multiple radio frequency readers in a store.

9. The method of claim 8, further comprising:

performing real-time monitoring of locations of all the commodities having location tags in the store all the time;

locating the commodity container of the user and the commodities in the store all the time;

determining whether the distance is in the predetermined range; and

in response to determining that the distance is in the predetermined range, adding commodity information of the commodity to the order of the user according to the distance between the commodity and the commodity container.

10. The method of claim 1, further comprising:

determining that a radio frequency signal from a first location tag of a first commodity is no longer detectable and as a result triggering an alarm.

11. The method of any one of claims 1 to 10, wherein the commodity information of the commodity comprises a commodity code that uniquely identifies the commodity.

12. An apparatus for order information determination, the apparatus comprising a plurality of modules configured to perform the method of any one of claims 1 to 11.