CLAIMS

1. A computer-implemented method, comprising:

receiving, from a courier terminal, an express package delivery request that indicates identifier information of a courier and first positioning information corresponding to a location of the courier**,** and wherein the first positioning information comprises global positioning system (GPS) location information of the courier;

retrieving, at a database, express package delivery content information comprising a recipient address matching the first positioning information and an identifier matching the identifier information of the courier in the express package delivery request;

determining more than one account associated with the recipient address based on the recipient address and the identifier information of the courier that are included in the express package delivery content information;

determining more than one user device that is logged in the more than one account;

constantly updating second positioning information of more than one recipient that can receive an express package based on a positioning information of the more than one user device; and

providing, to the courier terminal, a notification to deliver the express package identified in the express package delivery request if the second positioning information of at least one of the more than one recipient coincides with the recipient address;

determining one recipient of the more than one recipient with a geographical position closest to the recipient address based on the second positioning information of the more than one recipient; and

transmitting a notification of home delivery of the express package to a user device associated with the one recipient of the more than one recipient.

2. The computer-implemented method of claim 1, wherein the database stores multiple express package delivery requests comprising identifier information of multiple couriers, information of multiple recipient addresses, and information of an account associated with the recipient address.

3. The computer-implemented method of claim 1, further comprises generating information of a planned path for the express package delivery request according to the first positioning information and the recipient address in response to determining the second positioning information coincides with the recipient address.

4. The computer-implemented method of claim 3, further comprises providing the information of the planned path to the courier terminal to deliver the express package to the recipient address.

5. The computer-implemented method of claim 1, wherein the second positioning information of the recipient coincides with the recipient address further comprises determining the recipient address coincides within a preset range of the second positioning information.

6. The computer-implemented method of claim 1, wherein the identifier information of the courier comprises a telephone number of the courier terminal.

7. A non-transitory, computer-readable medium storing one or more instructions executable by a computer system to perform operations comprising:

receiving, from a courier terminal, an express package delivery request that indicates identifier information of a courier and first positioning information corresponding to a location of the courier**,** and wherein the first positioning information comprises global positioning system (GPS) location information of the courier;

retrieving, at a database, express package delivery content information comprising a recipient address matching the first positioning information and an identifier matching the identifier information of the courier in the express package delivery request;

determining more than one account associated with the recipient address based on the recipient address and the identifier information of the courier that are included in the express package delivery content information;

determining more than one user device that is logged in the more than one account;

constantly updating second positioning information of more than one recipient

that can receive an express package based on a positioning information of the more than one user device; and

providing, to the courier terminal, a notification to deliver the express package identified in the express package delivery request if the second positioning information of at least one of the more than one recipient coincides with the recipient address;

determining one recipient of the more than one recipient with a geographical position closest to the recipient address based on the second positioning information of the more than one recipient; and

transmitting a notification of home delivery of the express package to a user device associated with the one recipient of the more than one recipient.

8. The computer-readable medium of claim 7, wherein the database stores multiple express package delivery requests comprising identifier information of multiple couriers, information of multiple recipient addresses, and information of an account associated with the recipient address.

9. The computer-readable medium of claim 7, further comprises generating information of a planned path for the express package delivery request according to the first positioning information and the recipient address in response to determining the second positioning information coincides with the recipient address.

10. The computer-readable medium of claim 9, further comprises providing the information of the planned path to the courier terminal to deliver the express package to the recipient address.

11. The computer-readable medium of claim 7, wherein the second positioning information of the recipient coincides with the recipient address further comprises determining the recipient address coincides within a preset range of the second positioning information.

12. The computer-readable medium of claim 7, wherein the identifier information of the courier comprises a telephone number of the courier terminal.

13. A computer-implemented system, comprising:

one or more computers; and

one or more computer memory devices interoperably coupled with the one or more computers and having tangible, non-transitory, machine-readable media storing one or more instructions that, when executed by the one or more computers, perform one or more operations comprising:

receiving, from a courier terminal, an express package delivery request that indicates identifier information of a courier and first positioning information corresponding to a location of the courier, and wherein the first positioning information comprises global positioning system (GPS) location information of the courier;

retrieving, at a database, express package delivery content information comprising a recipient address matching the first positioning information and an identifier matching the identifier information of the courier in the express package delivery request;

determining more than one account associated with the recipient address based on the recipient address and the identifier information of the courier that are included in the express package delivery content information;

determining more than one user device that is logged in the more than one account;

constantly updating second positioning information of more than one recipient that can receive an express package based on a positioning information of the more than one user device; and

providing, to the courier terminal, a notification to deliver the express package identified in the express package delivery request if the second positioning information of at least one of the more than one recipient coincides with the recipient address;

determining one recipient of the more than one recipient with a geographical position closest to the recipient address based on the second positioning information of the more than one recipient; and

transmitting a notification of home delivery of the express package to a user device associated with the one recipient of the more than one recipient.

14. The computer-implemented system of claim 13, wherein the database stores

multiple express package delivery requests comprising identifier information of multiple couriers, information of multiple recipient addresses, and information of an account associated with the recipient address.

15. The computer-implemented system of claim 13, further comprises generating information of a planned path for the express package delivery request according to the first positioning information and the recipient address in response to determining the second positioning information coincides with the recipient address.

16. The computer-implemented system of claim 15, further comprises providing the information of the planned path to the courier terminal to deliver the express package to the recipient address.

17. The computer-implemented system of claim 13, wherein the second positioning information of the recipient coincides with the recipient address further comprises determining the recipient address coincides within a preset range of the second positioning information.