

METHOD FOR OBTAINING LOGISTICS DOCUMENT INFORMATION, AND RELATED DEVICE

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims priority to Chinese Patent Application No. 201710097547.1, filed with the Chinese Patent Office on February 22, 2017 and entitled "METHOD FOR OBTAINING LOGISTICS DOCUMENT INFORMATION, AND RELATED DEVICE," which is incorporated herein by reference in its entirety.

TECHNICAL FIELD

This application relates to the field of Internet technology, and in particular, to a method for obtaining logistics label information and related apparatuses.

BACKGROUND

With the development of Internet technology, it is already widely popular to use an Internet platform to provide users with items. Corresponding logistics label information is usually required to provide a user with an item. For example, a logistics label on which logistics label information is printed is bonded to an item, and a logistics company provides a user with the corresponding item according to the logistics label information.

Currently, logistics label information is mainly obtained in a manual manner. Specifically, in a process of obtaining logistics label information, a corresponding logistics company is manually chosen according to logistics address information, and a staff obtains a logistics label identifier from the corresponding logistics company, including logistics label information accompanied with the logistics label identifier. After the logistics label information is obtained, the logistics label information may be printed or manually filled on a logistics label.

However, such manual manner has relatively low efficiency and thus is easily subject to a relatively high error rate. Therefore, how to automatically obtain logistics label information is currently an urgent problem that needs to be resolved.

SUMMARY

A technical problem to be resolved by this application is to provide a method for

obtaining logistics label information and related apparatuses to obtain the logistics label information automatically, thereby improving obtaining efficiency and reducing an error rate.

For this, the technical solutions to the technical problem to be resolved by this application are as follows:

The embodiments of this application provide a method for obtaining logistics label information, applied to a logistics management server, including:

- receiving logistics address information from a terminal;

- obtaining a logistics platform setting factor, and determining, according to the logistics platform setting factor, a logistics platform corresponding to the logistics address information;

- obtaining a logistics label identifier corresponding to the logistics platform, and generating, according to the logistics label identifier, logistics label information; and

- sending the logistics label information to the terminal.

Optionally, the method further includes:

- generating an address segment identifier corresponding to the logistics address information; and

- wherein the generating, according to the logistics label identifier, logistics label information includes:

- generating the logistics label information according to the logistics label identifier and the address segment identifier.

Optionally, the obtaining the logistics label identifier corresponding to the logistics platform includes:

- determining a logistics platform server corresponding to the logistics platform, and sending an identifier request to the logistics platform server; and

- receiving the logistics label identifier from the logistics platform server according to the identifier request.

Optionally, the obtaining the logistics platform setting factor includes: obtaining a preset logistics platform setting factor, and/or receiving a logistics platform setting factor from the terminal.

Optionally, the logistics platform setting factor includes one or more setting factors in the following:

- a matching degree between coverage of a logistics platform and the logistics address information, a priority of a logistics platform, a quality of service index of a logistics platform, and a cost index of a logistics platform;

wherein the quality of service index of a logistics platform includes one or more quality indices including: a delivery time and a service feedback index of a logistics platform.

The embodiments of this application provide a method for obtaining logistics label information, applied to a terminal, including:

sending logistics address information to a logistics management server; and

receiving logistics label information from the logistics management server;

wherein the logistics label information is generated according to a logistics label identifier;

wherein the logistics label identifier corresponds to a logistics platform;

and wherein the logistics platform is determined according to a logistics platform setting factor and corresponds to the logistics address information.

Optionally, the method further includes:

after receiving the logistics label information from the logistics management server, printing a logistics label via a printing device;

wherein the logistics label is printed with the logistics label information.

Optionally, the logistics label information is generated according to the logistics label identifier and an address segment identifier corresponding to the logistics address information.

Optionally, the method further includes:

sending the logistics platform setting factor to the logistics management server.

Optionally, the logistics platform setting factor includes one or more setting factors including:

a matching degree between coverage of a logistics platform and the logistics address information, a priority of a logistics platform, a quality of service index of a logistics platform, and a cost index of a logistics platform;

wherein the quality of service index of a logistics platform includes one or more quality indices including: a delivery time and a service feedback index of a logistics platform.

The embodiments of this application provide a logistics management server, including:

a receiving unit, configured to receive logistics address information from a terminal;

a determining unit, configured to: obtain a logistics platform setting factor, and determine, according to the logistics platform setting factor, a logistics platform corresponding to the logistics address information;

a generation unit, configured to: obtain a logistics label identifier corresponding to the logistics platform, and generate logistics label information according to the logistics label

identifier; and

a sending unit, configured to send the logistics label information to the terminal.

The embodiments of this application provide a terminal, including:

a sending unit, configured to send logistics address information to a logistics management server; and

a receiving unit, configured to receive logistics label information from the logistics management server;

wherein the logistics label information is generated according to a logistics label identifier corresponding to a logistics platform, and

wherein the logistics platform is determined according to a logistics platform setting factor and corresponds to the logistics address information.

The embodiments of this application provide a logistics management server, including:

a receiver, configured to receive logistics address information from a terminal;

a processor, configured to: obtain a logistics platform setting factor, determine, according to the logistics platform setting factor, a logistics platform corresponding to the logistics address information, obtain a logistics label identifier corresponding to the logistics platform, and generate logistics label information according to the logistics label identifier; and

a transmitter, configured to send the logistics label information to the terminal.

Optionally, the processor is further configured to generate an address segment identifier corresponding to the logistics address information; and

when the logistics label information is generated according to the logistics label identifier, the processor is specifically configured to generate the logistics label information according to the logistics label identifier and the address segment identifier.

Optionally, when the logistics label identifier corresponding to the logistics platform is obtained, the processor is specifically configured to: determine a logistics platform server corresponding to the logistics platform, send an identifier request to the logistics platform server via the transmitter, and receive, via the receiver, the logistics label identifier from the logistics platform server according to the identifier request.

Optionally, when the logistics platform setting factor is obtained, the processor is specifically configured to obtain a preset logistics platform setting factor on the logistics management server, and/or, receive, via the receiver, a logistics platform setting factor from the terminal.

Optionally, the logistics platform setting factor includes one or more setting factors including:

a matching degree between coverage of a logistics platform and the logistics address information, a priority of a logistics platform, a quality of service index of a logistics platform, and a cost index of a logistics platform;

wherein the quality of service index of a logistics platform includes one or more quality indices including: a delivery time and a service feedback index of a logistics platform.

The embodiments of this application provide a terminal, including:

a transmitter, configured to send logistics address information to a logistics management server; and

a receiver, configured to receive logistics label information from the logistics management server;

wherein the logistics label information is generated according to a logistics label identifier corresponding to a logistics platform, and

the logistics platform is determined according to a logistics platform setting factor and corresponds to the logistics address information.

Optionally, the terminal further includes:

a processor, configured to: after the receiver receives the logistics label information from the logistics management server, print a logistics label via a printing device, where the logistics label is printed with the logistics label information.

Optionally, the logistics label information is generated according to the logistics label identifier and an address segment identifier corresponding to the logistics address information.

Optionally, the transmitter is further configured to send the logistics platform setting factor to the logistics management server.

Optionally, the logistics platform setting factor includes one or more setting factors in the following:

a matching degree between coverage of a logistics platform and the logistics address information, a priority of a logistics platform, a quality of service index of a logistics platform, and a cost index of a logistics platform, where the quality of service index of a logistics platform includes one or more quality indices in the following: a delivery time and a service feedback index of a logistics platform.

As can be known from the foregoing technical solutions, in the embodiments of this application, a logistics management server receives logistics address information from a terminal, obtains a logistics platform setting factor, and determines, according to the logistics platform setting factor, a logistics platform corresponding to the logistics address information.

After the logistics platform is determined, the logistics management server obtains a logistics label identifier corresponding to the logistics platform, generates logistics label information according to the logistics label identifier, and sends the generated logistics label information to the terminal. It can be learned that the embodiments of this application provide a manner of automatically obtaining logistics label information, thereby improving obtaining efficiency and reducing an error rate.

In addition, in the embodiments of this application, after determining the logistics platform, the logistics management server does not need to identify the determined logistics platform to the terminal. Instead, the logistics management server directly obtains the logistics label identifier corresponding to the logistics platform, thereby avoiding repeated interactions between the logistics management server and the terminal, to shorten the time used and save system resources.

BRIEF DESCRIPTION OF THE DRAWINGS

To describe the technical solutions in the embodiments of this application more clearly, the following briefly describes the accompanying drawings required for describing the embodiments. Apparently, the accompanying drawings in the following description show only some embodiments of this application, and a person of ordinary skill in the art may still derive other drawings from these accompanying drawings

FIG. 1 is a schematic structural diagram of a logistics communications system according to an embodiment of this application;

FIG. 2 is a schematic diagram of a logistics label according to an embodiment of this application;

FIG. 3 is a schematic flowchart of a method according to an embodiment of this application;

FIG. 4 is a schematic structural diagram of an apparatus for a logistics management server according to an embodiment of this application;

FIG. 5 is a schematic structural diagram of an apparatus for a terminal according to an embodiment of this application;

FIG. 6 is a schematic structural diagram of another apparatus for a logistics management server according to an embodiment of this application; and

FIG. 7 is a schematic structural diagram of another apparatus for a terminal according to an embodiment of this application.

DETAILED DESCRIPTION OF THE INVENTION

To make the technical solutions in this application more comprehensible to persons skilled in the art, the following clearly and completely describes the technical solutions in the embodiments of this application with reference to the accompanying drawings in the embodiments of this application. The described embodiments are only some of the embodiments of this application rather than all of the embodiments. All other embodiments obtained by a person of ordinary skill in the art based on the embodiments of this application without creative efforts shall fall within the protection scope of this application.

After a user buys an item on an e-commerce platform, a seller determines a logistics company that delivers the item, and attaches a logistics label printed with logistics label information to the item. The logistics company delivers the corresponding item to the user according to the logistics label information. The logistics label information usually includes a logistics label identifier corresponding to a logistics platform (each logistics company has a corresponding logistics platform), and additionally may further include logistics address information (for example, recipient address information), a user's telephone number, etc.

Currently, logistics label information is mainly obtained in a manual manner. Specifically, a corresponding logistics company, for example, ZTO Express or SF Express, is manually chosen according to logistics address information such as recipient address information. A staff obtains a logistics label identifier from the corresponding logistics company, including logistics label information accompanied with the logistics label identifier. After the logistics label information is obtained, the logistics label information may be printed or manually filled on a logistics label, which is attached to an item for the corresponding logistics company to deliver the item.

However, such manual manner has relatively low obtaining efficiency and is easily subject to a relatively high error rate. Therefore, how to automatically obtain logistics label information is currently an urgent problem that needs to be resolved.

A manner of automatically obtaining logistics label information is provided below.

Because there are various logistics companies and different logistics companies use different logistics platform servers, for security concerns, a third-party logistics management server is usually used as a communications medium to communicate with a terminal used by a seller and a logistics platform server.

The seller may send the logistics address information such as the recipient address information via the terminal, and send a logistics platform setting factor set by the seller to

the logistics management server. The logistics management server determines, according to the logistics platform setting factor, a logistics platform corresponding to the logistics address information. The logistics platform setting factor is a factor considered in setting the logistics platform, usually including a delivery time of a logistics platform, a cost index of a logistics platform, and logistics platforms that cooperate with the seller. For example, the logistics platform setting factors set by the seller includes a cost index of a logistics platform and logistics platforms that cooperate with the seller. Therefore, to determine a logistics platform, a logistics platform having the smallest cost index, for example, having the lowest logistics expenditure, is chosen from the logistics platforms that cooperate with the seller.

After the logistics platform is determined, the logistics management server identifies the determined logistics platform to the terminal used by the seller for confirmation. If the seller confirms the use of the logistics platform, the terminal sends a confirmation message to the logistics management server. The logistics management server generates a corresponding logistics label identifier according to the determined logistics platform, generates logistics label information according to the logistics label identifier, and returns the logistics label information to the terminal used by the seller. The seller prints a logistics label accompanied with the logistics label information.

However, although logistics label information can be automatically obtained by using the foregoing process, the logistics management server needs to determine a logistics platform and identifies the determined logistics platform to the terminal used by the seller. After the determined logistics platform is confirmed, the logistics management server may continue to generate a corresponding logistics label identifier according to the determined logistics platform, thereby generating logistics label information. This process requires repeated interactions between the terminal used by the seller and the logistics management server that results in a relatively long process time and a waste of system resources. In addition, in the foregoing process, only several simple factors, including a delivery time of a logistics platform, a cost index of a logistics platform, and logistics platforms that cooperate with the seller, are generally considered to determine a logistics platform. Therefore, because a chosen logistics platform usually cannot meet a requirement, the seller needs to manually select a logistics platform resulting in a waste of system resources.

The technical problem to be resolved by this application is to provide a method for obtaining logistics label information and related apparatuses, to automatically obtain the logistics label information, thereby improving obtaining efficiency and reducing an error rate. Next, the embodiments of this application further avoid repeated interactions between

terminals to save time and system resources. In addition, in the embodiments of this application, a logistics platform can be determined according to more comprehensive setting factors, so that a logistics platform and logistics label information that meet a seller's requirement can be recommended to the seller, thereby further saving system resources.

Before the method for obtaining user information in this application is introduced, a logistics communications system in different embodiments needs to be described first. The logistics communications system in the embodiments of this application includes a logistics management server, at least two logistics platforms, and at least one terminal. As shown in FIG. 1, the logistics communications system includes a logistics management server, N logistics platforms, and M terminals. The logistics management server is connected to the logistics platforms and the terminals. The logistics management server is a server corresponding to a logistics management platform, and may be specifically a computer, a cloud server, a server cluster, etc. The terminal is a terminal used by the seller, specifically including a computer, a mobile phone, a tablet computer, a personal electronic assistant (PDA), etc. The seller may install a corresponding application on the terminal, and the application can enable the terminal to communicate with the logistics management server.

In the embodiments of this application, after an e-commerce platform generates an electronic order according to a user's request, a corresponding terminal can obtain order information corresponding to the electronic order. The order information includes logistics address information corresponding to the electronic order, for example, sender address information and recipient address information corresponding to the electronic order. After obtaining the order information, the corresponding terminal sends the logistics address information to the logistics management server. As shown in FIG. 1, a terminal 1 sends logistics address information 1 to the logistics management server, a terminal 2 sends logistics address information 2 to the logistics management server, ..., and a terminal M sends logistics address information M to the logistics management server.

A logistics platform determining module is installed in the logistics management server. After receiving the logistics address information, the logistics platform determining module can determine, according to a logistics platform setting factor, a logistics platform corresponding to the logistics address information. For example, in FIG. 1, the logistics platform determining module determines that a logistics platform 2 corresponds to the logistics address information 1, a logistics platform 2 corresponds to the logistics address information 2, ..., and a logistics platform 3 corresponds to the logistics address information M.

After the logistics platform determining module determines the logistics platform, the logistics management server may obtain a corresponding logistics label identifier according to the determined logistics platform. The logistics management server may generate the logistics label identifier. Alternatively, the logistics management server may send an identifier request to a logistics platform server corresponding to the logistics platform, and receive the logistics label identifier from the logistics platform server according to the identifier request. For example, after determining that the logistics platform is a logistics platform corresponding to ZTO Express, the logistics management server may obtain a courier order number of ZTO Express from a logistics platform server corresponding to the logistics platform of ZTO Express.

After obtaining the logistics label identifier, the logistics management server generates logistics label information according to the logistics label identifier (i.e. the generated logistics label information includes the logistics label identifier). The logistics label information may further include an address segment identifier or the like in addition to the logistics label identifier. The address segment identifier is an identifier used by a logistics company to perform classified transportation on a delivery item according to the logistics address information. Each section identifier may correspond to a logistics site or may correspond to a delivery person. For example, an address segment label includes a two-segment address code and/or a three-segment address code. The two-segment address code may correspond to a logistics site. The three-segment address code may correspond to a delivery person at the logistics site. After receiving the logistics address information, the logistics management server may generate, according to the logistics address information, the address segment identifier corresponding to the logistics address information, and generate the logistics label information according to the logistics label identifier and the address segment identifier.

After generating the logistics label information, the logistics management server returns the logistics label information to the terminal. For example, in FIG. 1, logistics label information sent by the logistics management server to the terminal 1 includes a logistics label identifier 1 corresponding to a logistics platform 2, logistics label information sent by the logistics management server to the terminal 2 includes a logistics label identifier 2 corresponding to a logistics platform 2, ..., and logistics label information sent by the logistics management server to the terminal M includes a logistics label identifier 3 corresponding to a logistics platform 3. It should be noted that any terminal in the embodiments of this application may send one or more pieces of logistics address information to the logistics

management server. The logistics management server generates corresponding logistics label information for each piece of logistics address information and returns the logistics label information to a corresponding terminal.

If the seller does not use a logistics platform determined by the logistics management server but instead uses another logistics platform, the terminal may send a modification message for the logistics label information to the logistics management server, and the seller manually enters or selects an identifier of another logistics platform on the terminal, and may further manually enter a logistics label identifier. Alternatively, the terminal sends an identifier of another logistics platform to the logistics management server by using a modification message. The logistics management server obtains a corresponding logistics label identifier according to the identifier of the logistics platform, and returns the obtained logistics label identifier to the terminal. The terminal can similarly obtain the logistics label information according to the logistics platform selected by the seller. After obtaining the logistics label information, the terminal may print a logistics label shown in FIG. 2 via a printing device, where the printed logistics label includes the logistics label information.

It can be learned that the embodiments of this application provide a manner of automatically obtaining logistics label information, thereby improving obtaining efficiency and reducing an error rate. In addition, after determining the logistics platform, the logistics management server does not need to identify the determined logistics platform to the terminal. Instead, the logistics management server directly obtains the logistics label identifier corresponding to the logistics platform and then identifies the logistics label identifier to the terminal, thereby avoiding repeated interactions between the logistics management server and the terminal, and saving more time and system resources.

In the embodiments of this application, all logistics platform setting factors may be preset in a logistics management server, and the logistics management server obtains a logistics platform setting factor locally. Alternatively, all logistics platform setting factors may be set by a seller, and in this case, a logistics management server may receive a logistics platform setting factor from a terminal. Alternatively, some logistics platform setting factors are preset in a logistics management server, and some logistics platform setting factors are set by a seller. In addition, in the embodiments of this application, the logistics platform setting factors are more comprehensive, and a requirement of a seller can be considered in a plurality of aspects. Specifically, the logistics platform setting factor may include any one or more setting factors as follows: a matching degree between the coverage of a logistics platform and the logistics address information, a priority of a logistics platform, a quality of service index

of a logistics platform, and a cost index of a logistics platform. The quality of service index of a logistics platform includes one or more quality indices as follows: a delivery time and a service feedback index of a logistics platform. It can be learned that in the embodiments of this application, a logistics platform and logistics label information that better meet a requirement of a seller can be recommended to the seller, thereby further saving system resources.

A method for obtaining logistics label information according to an embodiment of this application is described below.

FIG. 3 illustrates a method for obtaining user information according to an embodiment of this application. This embodiment may be used in a communications system shown in FIG. 1. The method in this embodiment includes the following steps.

S301: A terminal sends logistics address information to a logistics management server.

The logistics management server is a server corresponding to a logistics management platform, including a computer, a cloud server, a server cluster, etc. The terminal is a terminal used by a seller, including one of a computer, a mobile phone, a tablet computer, a PDA, etc. The seller may install a corresponding application on the terminal, and the application can enable the terminal to communicate with the logistics management server.

The logistics address information is address information corresponding to a logistics process. In an optional embodiment, the address information includes recipient address information. In another optional embodiment, the address information includes sender address information and recipient address information. The terminal sends the logistics address information to the logistics management server, and may further send other logistics information, such as weight information of an item and a source warehouse identifier, to the logistics management server, so that the logistics management server determines a logistics platform according to the other logistics information and the logistics address information.

S302: The logistics management server receives the logistics address information from the terminal.

S303: The logistics management server obtains a logistics platform setting factor, and determines, according to the logistics platform setting factor, a logistics platform corresponding to the logistics address information.

The logistics platform setting factor is a factor considered in setting the logistics platform. All logistics platform setting factors may be preset in the logistics management server, and the logistics management server obtains a preset logistics platform setting factor on the logistics management server. Alternatively, all logistics platform setting factors may be set by

the seller, and in this case, the logistics management server may receive a logistics platform setting factor from the terminal. Alternatively, some logistics platform setting factors may be preset on the logistics management server, and some logistics platform setting factors are set by the seller.

S304: The logistics management server obtains a logistics label identifier corresponding to the logistics platform, and generates logistics label information according to the logistics label identifier.

The logistics management server may generate the logistics label identifier. Alternatively, the logistics management server may determine a logistics platform server corresponding to the logistics platform, send an identifier request to the logistics platform server, and receive the logistics label identifier from the logistics platform server according to the identifier request. For example, after determining that the logistics platform is a logistics platform corresponding to ZTO Express, the logistics management server may obtain a courier order number of ZTO Express from a logistics platform server corresponding to the logistics platform of ZTO Express.

The logistics label information generated by the logistics management server may further include an address segment identifier in addition to the logistics label identifier. The address segment identifier is used to identify an address class of the logistics address information, so that address classification transportation can be rapidly performed on a delivery item, thereby reducing a time for logistics transportation. The logistics management server may generate, according to a preset address segmentation rule, the address segment identifier corresponding to the logistics address information, and generate the logistics label information according to the logistics label identifier and the address segment identifier.

S305: The logistics management server sends the logistics label information to the terminal.

After generating the logistics label information, the logistics management server sends the generated logistics label information to the terminal. In addition, the logistics management server may further send the logistics label information to the logistics platform server corresponding to the logistics platform, and the logistics platform server records the logistics label information.

S306: The terminal receives the logistics label information from the logistics management server.

After receiving the logistics label information, the terminal may print a logistics label with the logistics label information via a printing device. If the terminal does not use a

logistics platform determined by the logistics management server but instead uses another logistics platform, the terminal may send a modification message for the logistics label information to the logistics management server, and may manually enter or select an identifier of another logistics platform on the terminal, and may further manually enter a logistics label identifier. Alternatively, the terminal may use a modification message to send an identifier of another logistics platform to the logistics management server. The logistics management server obtains a corresponding logistics label identifier according to the identifier of the logistics platform, and returns the obtained logistics label identifier to the terminal. The terminal obtains the logistics label information according to the logistics label identifier.

From the foregoing technical solutions, in the embodiments of this application, the logistics management server receives the logistics address information from the terminal, obtains the logistics platform setting factor, and determines, according to the logistics platform setting factor, the logistics platform corresponding to the logistics address information. After determining the logistics platform, the logistics management server obtains the logistics label identifier corresponding to the logistics platform, where the logistics label information is generated according to the logistics label identifier, and sends the generated logistics label information to the terminal. It can be learned that, this embodiment of this application provides a manner of automatically obtaining the logistics label information, thereby improving obtaining efficiency and reducing an error rate.

In addition, in the embodiments of this application, after determining the logistics platform, the logistics management server does not need to identify the determined logistics platform to the terminal. Instead, the logistics management server directly obtains the logistics label identifier corresponding to the logistics platform, thereby avoiding repeated interactions between the logistics management server and the terminal, and saving more time and system resources.

In the embodiments of this application, the logistics platform setting factors are comprehensive so that a seller's requirements can be considered in different perspectives. Specifically, the logistics platform setting factor may include one or more setting factors as follows: a matching degree between coverage of a logistics platform and the logistics address information, a priority of a logistics platform, a quality of service index of a logistics platform, and a cost index of a logistics platform, which are described below separately.

The matching degree between the coverage of a logistics platform and the logistics address information is that whether an address corresponding to the logistics address

information is within reach of the logistics platform. The coverage of the logistics platform is usually preset in the logistics management server. For example, the delivery coverage of SF Express includes the address corresponding to the logistics address information, and thus the delivery coverage of SF Express and the logistics address information have a relatively high matching degree. The delivery coverage of ZTO Express does not include the address corresponding to the logistics address information, and thus the delivery coverage of ZTO Express and the logistics address information have a relatively low matching degree. Therefore, a logistics platform with a relatively high matching degree is usually selected.

The priority of a logistics platform may be set in the following aspects: a logistics platform remarked by a seller or a user, a logistics platform that cooperates with a seller, and a logistics platform (preset in the logistics management server) recommended by a logistics management platform. For example, to determine a logistics platform, a logistics platform is first chosen from logistics platforms that cooperate with the seller. Then, the logistics platform is chosen from logistics platforms recommended by the logistics management platform, and is finally chosen according to a logistics platform remarked by a seller or a user.

The quality of service index of a logistics platform is used to reflect the quality of a logistics service of the logistics platform, and specifically includes one or more quality indices as follows: a delivery time and a service feedback index of a logistics platform. The delivery time of a logistics platform may include: a collect-dispatch time (a time from notifying collection of an item to starting to dispatch the item) of a logistics platform, and a dispatch-sign time (a time from starting to dispatch the item to receiving and signing for the item by the user) of a logistics platform or the like. The service feedback index may be reflected by using any one or more parameters as follows: a quantity of negative comments of a logistics platform, a quantity of negative comments of a servant of a logistics platform, a quantity of false signatures, and a quantity of refunds.

The cost index of a logistics platform is used to reflect an expenditure charged for a logistics service by the logistics platform.

An example implementation in which the logistics management server determines, according to the logistics platform setting factor, a logistics platform corresponding to the logistics address information in S303 is described below.

If the logistics management server determines that a logistics platform A is remarked in remark information of the seller or the user, it further determines whether the logistics platform A cooperates with the seller, and whether the logistics platform A can reach the

address corresponding to the logistics address information. If either determining result discussed above is no, that is, the logistics platform A is not a logistics platform that cooperates with the seller or the logistics platform A cannot reach the address corresponding to the logistics address information, a logistics platform is reselected according to other setting factors. If both the determining results are yes, the logistics platform A is chosen as the logistics platform corresponding to the logistics address information.

If the logistics management server determines that logistics platform is not remarked in remark information of the seller or the user, a logistics platform is then selected based on the following conditions: the logistics platform is a logistics platform that cooperates with the seller, the logistics platform is a logistics platform recommended by the logistics management platform, and the logistics platform can reach the address corresponding to the logistics address information. Assuming a plurality of logistics platforms meets the conditions, the logistics platforms that meet the conditions are sorted according to a quality of service index and a cost index. A top logistics platform is chosen as the logistics platform corresponding to the logistics address information. The quality of service index of a logistics platform is calculated according to the following rules: a collect-dispatch time and a dispatch-sign time of a logistics platform, a quantity of negative comments of a logistics platform, a quantity of negative comments about a servant of a logistics platform, a quantity of false signatures, and a quantity of refunds.

Accordingly, in the embodiments of this application, a logistics platform can be determined by combining the foregoing comprehensive setting factors, so that a logistics platform and logistics label information that better meet a requirement of a seller can be recommended to the seller, thereby further saving system resources.

Corresponding to the foregoing method embodiments, this application provides corresponding apparatus embodiments, which are described below in details.

Referring to FIG. 4, an embodiment of this application provides an apparatus for a logistics management server. This embodiment includes a receiving unit 401, a determining unit 402, a generation unit 403, and a sending unit 404.

The receiving unit 401 is configured to receive logistics address information from a terminal.

The determining unit 402 is configured to: obtain a logistics platform setting factor, and determine, according to the logistics platform setting factor, a logistics platform corresponding to the logistics address information.

The generation unit 403 is configured to: obtain a logistics label identifier corresponding

to the logistics platform, and generate logistics label information according to the logistics label identifier.

The sending unit 404 is configured to send the logistics label information to the terminal.

Referring to FIG. 5, an embodiment of this application provides an apparatus for a terminal. This embodiment includes a sending unit 501 and a receiving unit 502.

The sending unit 501 is configured to send logistics address information to a logistics management server.

The receiving unit 502 is configured to receive logistics label information from the logistics management server.

The logistics label information is generated according to a logistics label identifier corresponding to a logistics platform, and the logistics platform is a logistics platform that is determined according to a logistics platform setting factor and corresponds to the logistics address information.

The above embodiments of this application are described from the perspective of modular functional entities. The following embodiments of this application will be described from the hardware processing aspect.

Referring to FIG. 6, an embodiment of this application provides another apparatus for a logistics management server. This embodiment includes a receiver 601, a transmitter 602, and a processor 603. The processor 603 is connected to the receiver 601 and the transmitter 602.

The receiver 601 is configured to receive logistics address information from a terminal.

The processor 603 is configured to: obtain a logistics platform setting factor, determine, according to the logistics platform setting factor, a logistics platform corresponding to the logistics address information, obtain a logistics label identifier corresponding to the logistics platform, and generate logistics label information according to the logistics label identifier.

The transmitter 602 is configured to send the logistics label information to the terminal.

Optionally, the processor is further configured to generate an address segment identifier corresponding to the logistics address information. When the logistics label information is generated according to the logistics label identifier, the processor is specifically configured to generate the logistics label information according to the logistics label identifier and the address segment identifier.

Optionally, when the logistics label identifier corresponding to the logistics platform is obtained, the processor is specifically configured to: determine a logistics platform server corresponding to the logistics platform, send an identifier request to the logistics platform

server by using the transmitter, and receive, via the receiver, the logistics label identifier from the logistics platform server according to the identifier request.

Optionally, when the logistics platform setting factor is obtained, the processor is specifically configured to: obtain a preset logistics platform setting factor on the logistics management server, and/or, receive, via the receiver, a logistics platform setting factor from the terminal.

Optionally, the logistics platform setting factor includes one or more setting factors as follows:

a matching degree between coverage of a logistics platform and the logistics address information, a priority of a logistics platform, a quality of service index of a logistics platform, and a cost index of a logistics platform. The quality of service index of a logistics platform includes one or more quality indices as follows: a delivery time and a service feedback index of a logistics platform.

Referring to FIG. 7, an embodiment of this application provides another apparatus for a terminal. This embodiment includes a receiver 701 and a transmitter 702.

The transmitter 702 is configured to send logistics address information to a logistics management server.

The receiver 701 is configured to receive logistics label information from the logistics management server.

The logistics label information is generated according to a logistics label identifier corresponding to a logistics platform, and the logistics platform is a logistics platform that is determined according to a logistics platform setting factor and corresponds to the logistics address information.

Optionally, the terminal further includes a processor 703, where the processor 703 is connected to the transmitter 702 and the receiver 701.

The processor 703 may be configured to: after the receiver receives the logistics label information from the logistics management server, print a logistics label via a printing device, where the logistics label is printed with the logistics label information.

Optionally, the logistics label information is generated according to the logistics label identifier and an address segment identifier, and the address segment identifier corresponds to the logistics address information.

Optionally, the transmitter is further configured to send the logistics platform setting factor to the logistics management server.

Optionally, the logistics platform setting factor includes one or more setting factors as

follows:

a matching degree between coverage of a logistics platform and the logistics address information, a priority of a logistics platform, a quality of service index of a logistics platform, and a cost index of a logistics platform. The quality of service index of a logistics platform includes one or more quality indices as follows: a delivery time and a service feedback index of a logistics platform.

An embodiment of this application further provides a system embodiment of a logistics communications system. The logistics communications system includes a logistics management server and a terminal.

The logistics management server is configured to receive logistics address information from the terminal, obtain a logistics platform setting factor, determine, according to the logistics platform setting factor, a logistics platform corresponding to the logistics address information, obtain a logistics label identifier corresponding to the logistics platform, generate logistics label information according to the logistics label identifier, and send the logistics label information to the terminal.

The terminal is configured to: send the logistics address information to the logistics management server, and receive the logistics label information from the logistics management server.

Persons skilled in the art can clearly understand that, for convenience and simplicity of description, for the specific work process of the systems, apparatuses, and units described above, refer to the corresponding process in the aforementioned method embodiments, which are no longer repeated herein.

In the embodiments provided by this application, it should be understood that the systems, apparatuses, and methods disclosed may be implemented in other forms. For example, the apparatus embodiments described above are merely exemplary. For example, the division of units is merely logical functional division, and there are other division forms in real application. For example, a plurality of units or components may be combined or be integrated to another system, or some features may be omitted or not be executed. In another aspect, the coupling, direct coupling, or communication connection there between which is displayed or discussed may be indirect coupling or communication connection of interfaces, apparatuses, or units, and may be electrical, mechanical, or in other forms.

Units described as separate components may be or may not be physically separated. Components shown as units may be or may not be physical units, that is, may be integrated or distributed to a plurality of network units. Some or all of the units may be selected to achieve

the objectives of the solutions of the embodiments according to actual requirements.

In addition, the functional units in the embodiments of this application may either be integrated in a processing unit, or each unit may be a separate physical unit. Alternatively, two or more of the units are integrated in one unit. The integrated unit may be implemented in the form of hardware, or may be implemented in the form of a software functional unit.

If implemented in the form of software functional units and sold or used as an independent product, the integrated units may be stored in a computer readable storage medium. Based on this, the foregoing technical solutions of this application or the entire technical solution or the part that makes contributions to the existing technologies can be substantially embodied in the form of a software product. The computer software product may be stored in a storage medium and contain several instructions to instruct one piece of computer equipment (for example, a personal computer, a logistics management server, or network equipment) to perform all or a part of the steps of the method described in the embodiments of this application. The storage medium may be any medium that is capable of storing program code, such as a USB flash drive, a removable hard disk, a ROM, a RAM, a magnetic disk or an optical disk.

In sum, it should be noted that the above embodiments are merely provided for describing the technical solutions of this application, but not intended to limit this application. It should be understood by a person of ordinary skill in the art that although this application has been described in detail with reference to the embodiments, modifications can be made to the technical solutions described in the embodiments, or equivalent replacements can be made to some technical features in the technical solutions, as long as such modifications or replacements do not cause the essence of corresponding technical solutions to depart from the spirit and scope of this application.

CLAIMS

What is claimed is:

1. A method for obtaining logistics label information, applied to a logistics management server, comprising:

receiving logistics address information from a terminal;

obtaining a logistics platform setting factor, and determining, according to the logistics platform setting factor, a logistics platform corresponding to the logistics address information;

obtaining a logistics label identifier corresponding to the logistics platform, and generating, according to the logistics label identifier, logistics label information; and

sending the logistics label information to the terminal.

2. The method according to claim 1, further comprising:

generating an address segment identifier corresponding to the logistics address information; and

wherein the generating, according to the logistics label identifier, logistics label information comprises:

generating the logistics label information according to the logistics label identifier and the address segment identifier.

3. The method according to claim 1, wherein the obtaining the logistics label identifier corresponding to the logistics platform comprises:

determining a logistics platform server corresponding to the logistics platform, sending an identifier request to the logistics platform server; and

receiving the logistics label identifier from the logistics platform server according to the identifier request.

4. The method according to claim 1, wherein the obtaining the logistics platform setting factor comprises: obtaining a preset logistics platform setting factor, and/or, receiving a logistics platform setting factor from the terminal.

5. The method according to any one of claims 1 to 4, wherein the logistics platform setting factor comprises one or more setting factors including:

a matching degree between coverage of a logistics platform and the logistics address information, a priority of a logistics platform, a quality of service index of a logistics platform, and a cost index of a logistics platform,

wherein the quality of service index of a logistics platform comprises one or more

quality indices as follows: a delivery time and a service feedback index of a logistics platform.

6. A method for obtaining logistics label information, applied to a terminal, comprising:
sending logistics address information to a logistics management server; and
receiving logistics label information from the logistics management server;
wherein the logistics label information is generated according to a logistics label identifier, the logistics label identifier corresponding to a logistics platform; and
wherein the logistics platform is determined according to a logistics platform setting factor and corresponds to the logistics address information.

7. The method according to claim 6, further comprising:
after receiving the logistics label information from the logistics management server,
printing a logistics label via a printing device;
wherein the logistics label is printed with the logistics label information.

8. The method according to claim 6, wherein the logistics label information is generated according to the logistics label identifier and an address segment identifier corresponding to the logistics address information.

9. The method according to claim 6, further comprising:
sending the logistics platform setting factor to the logistics management server.

10. The method according to any one of claims 6 to 9, wherein the logistics platform setting factor comprises one or more setting factors including:

a matching degree between coverage of a logistics platform and the logistics address information, a priority of a logistics platform, a quality of service index of a logistics platform, and a cost index of a logistics platform;

wherein the quality of service index of a logistics platform comprises one or more quality indices including: a delivery time and a service feedback index of a logistics platform.

11. A logistics management server, comprising:
a receiving unit, configured to receive logistics address information from a terminal;
a determining unit, configured to: obtain a logistics platform setting factor, and determine, according to the logistics platform setting factor, a logistics platform corresponding to the logistics address information;

a generation unit, configured to: obtain a logistics label identifier corresponding to the logistics platform, and generate logistics label information according to the logistics label identifier; and

a sending unit, configured to send the logistics label information to the terminal.

12. A terminal, comprising:

a sending unit, configured to send logistics address information to a logistics management server; and

a receiving unit, configured to receive logistics label information from the logistics management server;

wherein the logistics label information is generated according to a logistics label identifier, the logistics label identifier corresponding to a logistics platform; and

wherein the logistics platform is determined according to a logistics platform setting factor and corresponds to the logistics address information.

13. A logistics management server, comprising:

a receiver, configured to receive logistics address information from a terminal;

a processor, configured to: obtain a logistics platform setting factor, determine, according to the logistics platform setting factor, a logistics platform corresponding to the logistics address information, obtain a logistics label identifier corresponding to the logistics platform, and generate logistics label information according to the logistics label identifier; and

a transmitter, configured to send the logistics label information to the terminal.

14. The logistics management server according to claim 13, wherein

the processor is further configured to generate an address segment identifier corresponding to the logistics address information; and

wherein when the logistics label information is generated according to the logistics label identifier, the processor is configured to generate the logistics label information according to the logistics label identifier and the address segment identifier.

15. The logistics management server according to claim 13, wherein when the logistics label identifier corresponding to the logistics platform is obtained, the processor is configured to: determine a logistics platform server corresponding to the logistics platform, send an identifier request to the logistics platform server via the transmitter, and receive, via the receiver, the logistics label identifier from the logistics platform server according to the identifier request.

16. The logistics management server according to claim 13, wherein when the logistics platform setting factor is obtained, the processor is configured to: obtain a preset logistics platform setting factor on the logistics management server, and/or, receive, via the receiver, a logistics platform setting factor from the terminal.

17. The logistics management server according to any one of claims 13 to 16, wherein

the logistics platform setting factor comprises one or more setting factors including:

- a matching degree between coverage of a logistics platform and the logistics address information, a priority of a logistics platform, a quality of service index of a logistics platform, and a cost index of a logistics platform;

- wherein the quality of service index of a logistics platform comprises one or more quality indices including: a delivery time and a service feedback index of a logistics platform.

18. A terminal, comprising:

- a transmitter, configured to send logistics address information to a logistics management server; and

- a receiver, configured to receive logistics label information from the logistics management server;

- wherein the logistics label information is generated according to a logistics label identifier, the logistics label identifier corresponds to a logistics platform, and the logistics platform is a logistics platform that is determined according to a logistics platform setting factor and corresponds to the logistics address information.

19. The terminal according to claim 18, further comprising:

- a processor, configured to: after the receiver receives the logistics label information from the logistics management server, print a logistics label via a printing device;

- wherein the logistics label is printed with the logistics label information.

20. The terminal according to claim 18, wherein the logistics label information is generated according to the logistics label identifier and an address segment identifier corresponding to the logistics address information.

21. The terminal according to claim 18, wherein

- the transmitter is further configured to send the logistics platform setting factor to the logistics management server.

22. The terminal according to any one of claims 18 to 21, wherein the logistics platform setting factor comprises one or more setting factors including:

- a matching degree between coverage of a logistics platform and the logistics address information, a priority of a logistics platform, a quality of service index of a logistics platform, and a cost index of a logistics platform;

- wherein the quality of service index of a logistics platform comprises one or more quality indices including: a delivery time and a service feedback index of a logistics platform.