CLAIMS

What is claimed is:

1. A resource selection method performed by a mobile terminal (11), the method comprising:

when obtaining, through scanning, a Bluetooth signal and/or a Wi-Fi signal sent by a resource management terminal (12), sending (54) a connection request to the resource management terminal (12) to establish a connection with the resource management terminal (12);

establishing the connection with the resource management terminal (12);

after establishment of the connection, sending (58) a query request to the resource management terminal (12), wherein the query request comprises identification information of a user;

receiving (512) a channel list returned by the resource management terminal (12) in response to the query request, wherein the resource management terminal (12) has a rack that comprises multiple channels, wherein the multiple channels are each associated with a respective resource and a magnetic field (21), the intensity of which periodically changes following a respective magnetic field intensity change rule, wherein the channel list comprises, for each channel of the multiple channels, identification information of the channel and magnetic field intensity change data of the channel, wherein the magnetic field intensity change data of the channel corresponds to the magnetic field intensity change rule of the magnetic field (21) of the channel;

in response to the user moving the mobile terminal (11) into a vicinity of a target resource in the resource management terminal (12) and within a predetermined range of the resource management terminal (12), obtaining (22, 514)~~, by a mobile terminal,~~ magnetic field intensity change data of a target channel from the multiple channels that is associated with the target resource, the obtained magnetic field intensity change data of the target channel obtained from the magnetic field (21) of the target channel~~resource management terminal that is~~ sensed by a magnetic field sensor of the mobile terminal (11)~~within a predetermined range of the resource management terminal~~;

locating (24) identification information of the~~a~~ target channel ~~from multiple channels comprised in a rack of the resource management terminal~~ based on the obtained magnetic field intensity change data of the target channel, comprising:~~; and~~

matching (42) the obtained magnetic field intensity change data of the target channel with the magnetic field intensity change data of the channels in the channel list;

if the channel list comprises magnetic field intensity change data that matches the obtained magnetic field intensity change data of the target channel, determining that the channel in the channel list that corresponds to the matched magnetic field intensity change data is the target channel selected by the user and using the identification information of the channel in the channel list that corresponds to the matched magnetic field intensity change data as the identification information of the target channel; and

sending (26, 516) a selection instruction to the resource management terminal (12), wherein the selection instruction comprises the identification information of the target channel~~,~~ and is used to confirm the~~a~~ target resource selected by the~~a~~ user, wherein the resource management terminal (12) is further configured to send (520), to a server (13), a resource transfer request comprising the identification information of the user, identification information of the resource management terminal and the identification information of the target channel and to receive (524) a product delivery instruction from the server for delivery of the target resource to the user.

~~2. The method according to claim 1, before the locating identification information of a target channel from multiple channels comprised in a rack of the resource management terminal based on the magnetic field intensity change data, further comprising:~~

~~sending a query request to the resource management terminal, wherein the query request comprises identification information of the user; and~~

~~receiving a channel list returned by the resource management terminal in response to the query request.~~

~~3. The method according to claim 2, before the sending a query request to the resource management terminal, further comprising:~~

~~sending a connection request to the resource management terminal when obtaining, through scanning, a Bluetooth signal and/or a Wi-Fi signal sent by the resource management terminal.~~

~~4. The method according to claim 1, wherein the channel list comprises identification information of a channel, and magnetic field intensity change data corresponding to the identification information; and~~

~~the locating identification information of a target channel from multiple channels comprised in a rack of the resource management terminal based on the magnetic field intensity change data comprises:~~

~~matching the magnetic field intensity change data with magnetic field intensity change data in the channel list; and~~

~~if the channel list comprises magnetic field intensity change data that matches the magnetic field intensity change data, determining that a channel corresponding to the magnetic field intensity change data that matches the magnetic field intensity change data is the target channel.~~

~~5. The method according to any one of claims 1 to 4, further comprising:~~

2. The method according to claim 1, further comprising, before sending the selection instruction to the resource management terminal (12):

displaying a predetermined interaction interface, which is used to instruct the user to grant a resource transfer permission; and

sending an authorization instruction to the resource management terminal (12) if a confirmation operation on the interaction interface is detected, wherein the authorization instruction ~~is used~~corresponds to ~~instruct~~ the ~~user to~~user's grant of the~~a~~ resource transfer permission ~~to the user~~.

~~6.~~

3. The method according to any of the preceding claims, wherein the resource management terminal (12) is a vending machine and the resources of the multiple channels of the rack of the vending machine are products.

4. A resource transfer method~~, comprising:~~

~~receiving,~~ performed by a resource management terminal~~, a selection instruction sent by a mobile terminal, wherein the selection instruction comprises identification information of a target channel, and the identification information of the target channel is determined by the magnetic field intensity change data of the resource management terminal that is sensed within a predetermined range by the mobile terminal; and~~ (12) having a rack, the method comprising:

~~sending a resource transfer request to a server, wherein the resource transfer request comprises identification information of a user, identification information of the resource management terminal, and the identification information of the target channel, so that the server determines, based on the identification information of the target channel, a target resource selected by the user, and performs resource transfer of the target resource based on~~

~~the identification information of the user and the identification information of the resource management terminal.~~

~~7. The method according to claim 6, further comprising:~~

~~receiving a query request sent by the mobile terminal, wherein the query request comprises the identification information of the user; and~~

~~returning a channel list to the mobile terminal in response to the query request.~~

~~8. The method according to claim 6, further comprising:~~

transmitting (52) a Bluetooth signal and/or a Wi-Fi signal~~; and~~

, the Bluetooth signal and/or a Wi-Fi signal being scannable by a mobile terminal (11) for establishing a connection to the resource management terminal (12);

establishing the connection to the mobile terminal (11) when receiving a connection request sent by the mobile terminal~~.~~ (11);

~~9. The method according to claim 6, before the sending~~receiving (58) a ~~resource transfer query~~ request ~~to a server, further comprising:~~

~~receiving an authorization instruction~~ sent by the mobile terminal~~,~~ (11), wherein the ~~authorization instruction is used to instruct the user to grant a resource transfer permission to the user; and~~

~~sending the authorization instruction to the server.~~

~~10. A resource transfer method, comprising:~~

~~receiving, by a server, a resource transfer request sent by a resource management terminal, wherein the resource transfer request~~ query request comprises identification information of a user~~, identification information of the resource management terminal, and identification information of a target channel of the resource management terminal~~;

~~locating a corresponding resource from a resource list of~~ recording (510) the identification information of the user;

returning (512) a channel list to the mobile terminal (11) in response to the query request, wherein the rack of the resource management terminal (12) comprises multiple channels each associated with a respective resource and a magnetic field (21), the intensity of which periodically changes following a respective magnetic field intensity change rule, wherein the channel list comprises, for each channel of the ~~resource management terminal~~

based on themultiple channels, identification information of the target channel, as a target resource selected by the user; and

performing resource transfer of the target resource based on the identification information of the user and the identification information of the resource management terminal.

11. The method according to claim 10, further comprising:

receiving an authorization instruction sent by the resource management terminal, wherein the authorization instruction is used to instruct the user to grant a resource transfer permission of the user to the server; and

the performing resource transfer of the target resource based on the identification information of the user and the identification information of the resource management terminal comprises:

determining a value amount of the target resource;

transferring the user's resource that is equivalent to the value amount based on the identification information of the user and the authorization instruction; and

sending instruction information to the resource management terminal based on the identification information of the resource management terminal, wherein the instruction information is used to instruct the resource management terminal to transfer the target resource to the user.

12. A resource selection method, comprising:

obtaining, by a mobile terminal, magnetic field intensity change data of a resource management terminal that is sensed within a predetermined range of the resource management terminal;

locating identification information of a target resource from a resource list of the resource management terminal based on the magnetic field intensity change data; and

sending a selection instruction to the resource management terminal, wherein the selection instruction comprises the identification information of the target resource, and is used to confirm a target resource selected by a user.

13. The method according to claim 12, further comprising:

displaying a predetermined interaction interface; and

sending an authorization instruction to the resource management terminal if a confirmation operation on the interaction interface is detected, wherein the authorization instruction is used to instruct the user to grant a resource transfer permission to the user.

14. A resource selection method, comprising:

receiving, by a resource management terminal, a selection instruction sent by a mobile terminal, wherein the selection instruction comprises identification information of a target resource, and the identification information of the target resource is determined by the magnetic field intensity change data of the resource management terminal that is sensed within a predetermined range by the mobile terminal; and

determining, based on the identification information of the target resource, a resource selected by a user.

15. The method according to claim 14, further comprising:

sending a resource transfer request to a server, wherein the resource transfer request comprises identification information of the user, identification information of the resource management terminal, and the identification information of the target resource; and

performing, by the server, resource transfer of the target resource based on the identification information of the user and the identification information of the resource management terminal.

16. The method according to claim 14, further comprising:

receiving an authorization instruction sent by the mobile terminal, wherein the authorization instruction is used to instruct the user to grant a resource transfer permission to the user; and

sending the authorization instruction to the server.

17. A resource transfer method, comprising:

receiving, by a server, a resource transfer request sent by a resource management terminal, wherein the resource transfer request comprises identification information of a user, identification information of the resource management terminal, and identification information of a target resource of the resource management terminal; and

performing resource transfer of the target resource based on the identification information of the user and the identification information of the resource management terminal.

18. The method according to claim 17, further comprising:

receiving an authorization instruction sent by the resource management terminal, wherein the authorization instruction is used to instruct the user to grant a resource transfer permission of the user to the server; and

the performing resource transfer of the target resource based on the identification information of the user and the identification information of the resource management terminal comprises:

determining a value amount of the target resource;

transferring the user's resource corresponding to the value amount based on the identification of the user and the authorization instruction; and

sending instruction information to the resource management terminal based on the identification information of the resource management terminal, wherein the instruction information is used to instruct the resource management terminal to transfer the target resource to the user.

19. An automatic vending method, comprising:

determining, by a mobile terminal, identification information of a target channel of a vending machine based on channel, wherein the magnetic field intensity change data of the vending machine sensed when approaching the vending machine, and sending the identification information of the target channel to the vending machinechannel corresponds to the magnetic field intensity change rule of the magnetic field (21) of the channel;

sending, by the vending machine, a resource transfer request to a merchant server, wherein the resource transfer request comprises identification information of a user, identification information of the vending machine, and the identification information of the target channel; and

determining, by the merchant server based on the identification information of the target channel, a target product selected by the user, and trading the target product based on the

identification information of the user and the identification information of the vending machine.

20. A resource selection apparatus, comprising:

an acquisition module, configured to obtain magnetic field intensity change data of a resource management terminal that is sensed by a mobile terminal within a predetermined range of the resource management terminal;

a query module, configured to locate identification information of a target channel from multiple channels comprised in a rack of the resource management terminal based on the magnetic field intensity change data; and

a first sending module, configured to send a selection instruction to the resource management terminal, wherein the selection instruction comprises the identification information of the target channel, and is used to confirm a target resource selected by a user.

21. The apparatus according to claim 20, further comprising:

a second sending module, configured to send a query request to the resource management terminal, wherein the query request comprises identification information of the user; and

a receiving module, configured to receive a channel list returned by the resource management terminal in response to the query request.

22. The apparatus according to claim 21, further comprising:

a third sending module, configured to send a connection request to the resource management terminal when obtaining, through scanning, a Bluetooth signal and/or a Wi-Fi signal sent by the resource management terminal.

23. The apparatus according to claim 20, wherein the channel list comprises identification information of a channel, and magnetic field intensity change data corresponding to the identification information; and

the query module is configured to: match the magnetic field intensity change data with magnetic field intensity change data in the channel list; and if the channel list comprises magnetic field intensity change data that matches the magnetic field intensity change data,

~~determine that a channel corresponding to the magnetic field intensity change data that matches the magnetic field intensity change data is the target channel.~~

~~24. The apparatus according to any one of claims 20 to 23, further comprising:~~

~~a display module, configured to display a predetermined interaction interface; and~~

~~a fourth sending module, configured to send an authorization instruction to the resource management terminal if a confirmation operation on the interaction interface is detected, wherein the authorization instruction is used to instruct the user to grant a resource transfer permission to the user.~~

~~25. A resource transfer apparatus, comprising:~~

~~a first receiving module, configured to receive a selection instruction sent by a mobile terminal,~~receiving (516) a selection instruction from the mobile terminal (11), wherein the selection instruction comprises identification information of a target channel, and the identification information of the target channel is determined by the ~~magnetic field intensity change data of a resource management terminal that is sensed within a predetermined range by the mobile terminal~~mobile terminal (11) in response to the user moving the mobile terminal (11) into a vicinity of a target resource in the resource management terminal (12) and within a predetermined range of the resource management terminal (12), wherein the mobile terminal (11) obtains a magnetic field intensity change data of the target channel from the magnetic field (21) of the target channel sensed by a magnetic field sensor of the mobile terminal (11) and locates the identification information of the target channel based on the obtained magnetic field intensity change data of the target channel and using the channel list; and

~~a first~~ sending ~~module, configured to send~~(520) a resource transfer request to a server~~,~~ (13), wherein the resource transfer request comprises the identification information of ~~a~~the user, identification information of the resource management terminal~~,~~ and the identification information of the target channel~~, so that~~ for the server ~~determines~~(13) to determine, based on the identification information of the target channel, ~~a~~the target resource selected by the user, ~~and performs resource transfer of~~perform a funds deduction operation on the user for the target resource based on the identification information of the user and ~~the identification information of the~~ send (524) a product delivery instruction to the resource management terminal (12) based on the identification information of the resource management terminal for delivery of the target resource to the user.

~~26.~~

5. The ~~apparatus~~method according to claim ~~25, further comprising:~~

~~a second~~ 4, before the receiving ~~module, configured to receive a query request sent by the mobile terminal, wherein the query request comprises the identification information of the user; and~~

~~a second sending module, configured to return a channel list to~~ the selection instruction from the mobile terminal ~~in response to the query request.~~(11) and the sending the resource transfer request to the server (13), further comprising:

~~27. The apparatus according to claim 25, further comprising:~~

~~a communications module, configured to transmit a Bluetooth signal and/or a Wi-Fi signal; and establish a connection to the mobile terminal when~~ receiving ~~a connection request sent by the mobile terminal.~~

~~28. The apparatus according to claim 25, further comprising:~~

~~a third receiving module, configured to receive~~ an authorization instruction sent by the mobile terminal~~,~~ (11), wherein the authorization instruction ~~is used~~corresponds to ~~instruct the user to~~a user's grant of a resource transfer permission ~~to the user~~; and

~~a third~~ sending ~~module, configured to send~~ the authorization instruction to the server~~.~~ (13).

~~29. A resource transfer apparatus, comprising:~~

~~a first receiving module, configured to receive a resource transfer request sent by a resource management terminal, wherein the resource transfer request comprises identification information of a user, identification information of the resource management terminal, and identification information of a target channel of the resource management terminal;~~

~~a query module, configured to locate a corresponding resource from a resource list of the resource management terminal based on the identification information of the target channel, as a target resource selected by the user; and~~

~~a resource transfer module, configured to perform resource transfer of the target resource based on the identification information of the user and the identification information of the resource management terminal.~~

~~30.~~

6. The ~~apparatus~~method according to claim ~~29, further comprising:~~

a second receiving module, configured to receive an authorization instruction sent by the 4 or 5, wherein the resource management terminal, wherein the authorization instruction (12) is used to instruct the user to grant a resource transfer permission of the user to the server; and

the resource transfer module is configured to determine a value amount of the target resource; transfer the user's resource that is equivalent to the value amount based on the identification of the user and the authorization instruction; and send instruction information to the resource management terminal based on the identification information of the resource management terminal, wherein the instruction information is used to instruct the resource management terminal to transfer the target resource to the user.

31. A resource selection apparatus, comprising:

an acquisition module, configured to obtain magnetic field intensity change data of a resource management terminal that is sensed by a mobile terminal within a predetermined range of the resource management terminal;

a query module, configured to locate identification information of a target resource from a resource list of the resource management terminal based on the magnetic field intensity change data; and

a first sending module, configured to send a selection instruction to the resource management terminal, wherein the selection instruction comprises the identification information of the target resource, and is used to confirm a target resource selected by a user.

32. The apparatus according to claim 31, further comprising:

a display module, configured to display a predetermined interaction interface; and

a second sending module, configured to send an authorization instruction to the resource management terminal if a confirmation operation on the interaction interface is detected, wherein the authorization instruction is used to instruct the user to grant a resource transfer permission to the user.

33. A resource selection apparatus, comprising:

a first receiving module, configured to receive a selection instruction sent by a mobile terminal, wherein the selection instruction comprises identification information of a target resource, and the identification information of the target resource is determined by the

magnetic field intensity change data of the resource management terminal that is sensed within a predetermined range by the mobile terminal; and

a determining module, configured to determine, based on the identification information of the target resource, a resource selected by a user.

34. The apparatus according to claim 33, further comprising:

a first sending module, configured to send a resource transfer request to a server, wherein the resource transfer request comprises identification information of the user, identification information of the resource management terminal, and the identification information of the target resource; and the server performs resource transfer of the target resource based on the identification information of the user and the identification information of the resource management terminal.

35. The apparatus according to claim 33, further comprising:

a second receiving module, configured to receive an authorization instruction sent by the mobile terminal, wherein the authorization instruction is used to instruct the user to grant a resource transfer permission to the user; and

a second sending module, configured to send the authorization instruction to the server.

36. A resource transfer apparatus, comprising:

a first receiving module, configured to receive a resource transfer request sent by a resource management terminal, wherein the resource transfer request comprises identification information of a user, identification information of the resource management terminal, and identification information of a target resource of the resource management terminal; and

a resource transfer module, configured to perform resource transfer of the target resource based on the identification information of the user and the identification information of the resource management terminal.

37. The apparatus according to claim 36, further comprising:

a second receiving module, configured to receive an authorization instruction sent by the resource management terminal, wherein the authorization instruction is used to instruct the user to grant a resource transfer permission of the user to a server; and

the resource transfer module is configured to determine a value amount of the target resource; transfer the user's resource corresponding to the value amount based on the identification of the user and the authorization instruction; and send instruction information to the resource management terminal based on the identification information of the resource management terminal, wherein the instruction information is used to instruct the resource management terminal to transfer the target resource to the user.

38. An automatic vending system, comprising:

a mobile terminal, configured to determine identification information of a target channel of a vending machine based on magnetic field intensity change data of the vending machine sensed when approaching the vending machine, and send the identification information of the target channel to the vending machine;

the vending machine, configured to send a resource transfer request to a merchant server, wherein the resource transfer request comprises identification information of a user, identification information of the vending machine, and the identification information of the target channel; and

the merchant server, configured to determine, based on the identification information of the target channel, a target product selected by the user, and trade the target product based on the identification information of the user and the identification information of the vending machine.

39. An electronic device, comprising:

a processor; and

a memory, configured to store a computer executable instruction, wherein when executed, the executable instruction enables the processor to perform the following operations:

obtaining magnetic field intensity change data of a resource management terminal that is sensed by a mobile terminal within a predetermined range of the resource management terminal;

locating identification information of a target channel fromand the resources of the multiple channels comprised in a of the rack of the resource management terminal based on the magnetic field intensity change data; andvending machine are products.

~~sending a selection instruction to the resource management terminal, wherein the selection instruction comprises the identification information of the target channel, and is used to confirm a target resource selected by a user.~~

~~40. An electronic device, comprising:~~

~~a processor; and~~

~~a memory, configured to store a~~

7. One or more computer-readable media comprising instructions stored thereon, which, when executed by a processor of a mobile terminal (11), cause the processor to carry out the method of any of claims 1 to 3.

8. One or more computer~~-executable instruction, wherein~~-readable media comprising instructions stored thereon, which, when executed~~, the executable instruction enables~~ by a processor of a resource management terminal (12), cause the processor to ~~perform the following operations:~~carry out the method of any of claims 4 to 6.

~~receiving a selection instruction sent by a mobile terminal, wherein the selection instruction comprises identification information of a target channel, and the identification information of the target channel is determined by the magnetic field intensity change data of a resource management terminal that is sensed within a predetermined range by the mobile terminal; and~~

~~sending a resource transfer request to a server, wherein the resource transfer request comprises identification information of a user, identification information of the resource management terminal, and the identification information of the target channel, so that the server determines, based on the identification information of the target channel, a target resource selected by the user, and performs resource transfer of the target resource based on the identification information of the user and the identification information of the resource management terminal.~~

~~41. An electronic device, comprising:~~

9. A mobile terminal (11), comprising:

a processor; and

a memory, configured to store a computer executable instruction, wherein when executed, the executable instruction enables the processor to perform ~~the following operations:~~a method according to any of claims 1 to 3.

~~receiving a resource transfer request sent by a resource management terminal, wherein the resource transfer request comprises identification information of a user, identification information of the resource management terminal, and identification information of a target channel of the resource management terminal;~~

~~locating a corresponding resource from a resource list of the resource management terminal based on the identification information of the target channel, as a target resource selected by the user; and~~

~~performing resource transfer of the target resource based on the identification information of the user and the identification information of the resource management terminal.~~

~~42. An electronic device, comprising:~~

10. A resource management terminal (12), comprising:

a rack;

a processor; and

a memory, configured to store a computer executable instruction, wherein when executed, the executable instruction enables the processor to perform ~~the following operations:~~a method according to any one of the claims 4 to 6.

~~obtaining magnetic field intensity change data of a resource management terminal that is sensed by a mobile terminal within a predetermined range of the resource management terminal;~~

~~locating identification information of a target resource from a resource list of the resource management terminal based on the magnetic field intensity change data; and~~

~~sending a selection instruction to the resource management terminal, wherein the selection instruction comprises the identification information of the target resource, and is used to confirm a target resource selected by a user.~~

~~43. An electronic device, comprising:~~

~~a processor; and~~

~~a memory, configured to store a computer executable instruction, wherein when executed, the executable instruction enables the processor to perform the following operations:~~

~~receiving a selection instruction sent by a mobile terminal, wherein the selection instruction comprises identification information of a target resource, and the identification information of the target resource is determined by the magnetic field intensity change data of the resource management terminal that is sensed within a predetermined range by the mobile terminal; and~~

~~determining, based on the identification information of the target resource, a resource selected by a user.~~

~~44. An electronic device, comprising:~~

~~a processor; and~~

~~a memory, configured to store a computer executable instruction, wherein when executed, the executable instruction enables the processor to perform the following operations:~~

~~receiving a resource transfer request sent by a resource management terminal, wherein the resource transfer request comprises identification information of a user, identification information of the resource management terminal, and identification information of a target resource of the resource management terminal; and~~

~~performing resource transfer of the target resource based on the identification information of the user and the identification information of the resource management terminal.~~