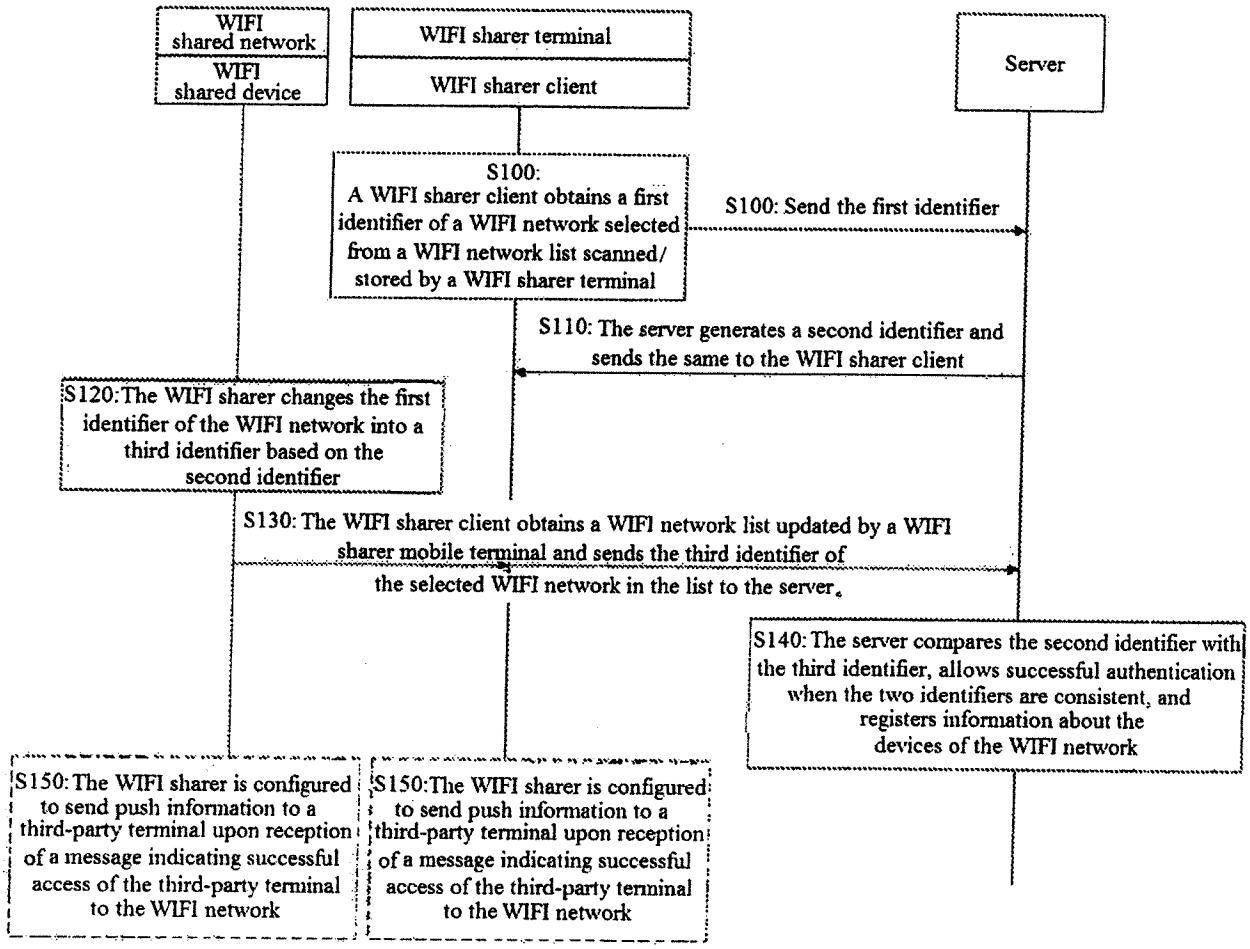
WIFI shared network
WIFI shared device
WIFI sharer terminal
WIFI sharer client
Server
S100: A WIFI sharer client obtains a first identifier of a WIFI network selected from a WIFI network list scanned/ stored by a WIFI sharer terminal
S100: Send the first identifier
S110: The server generates a second identifier and sends the same to the WIFI sharer client
S120: The WIFI sharer changes the first identifier of the WIFI network into a third identifier based on the second identifier
S130: The WIFI sharer client obtains a WIFI network list updated by a WIFI sharer mobile terminal and sends the third identifier of the selected WIFI network in the list to the server.
S140: The server compares the second identifier with the third identifier, allows successful authentication when the two identifiers are consistent, and registers information about the devices of the WIFI network
S150: The WIFI sharer is configured to send push information to a third-party terminal upon reception of a message indicating successful access of the third-party terminal to the WIFI network
S150: The WIFI sharer is configured to send push information to a third-party terminal upon reception of a message indicating successful access of the third-party terminal to the WIFI network

FIG. 1

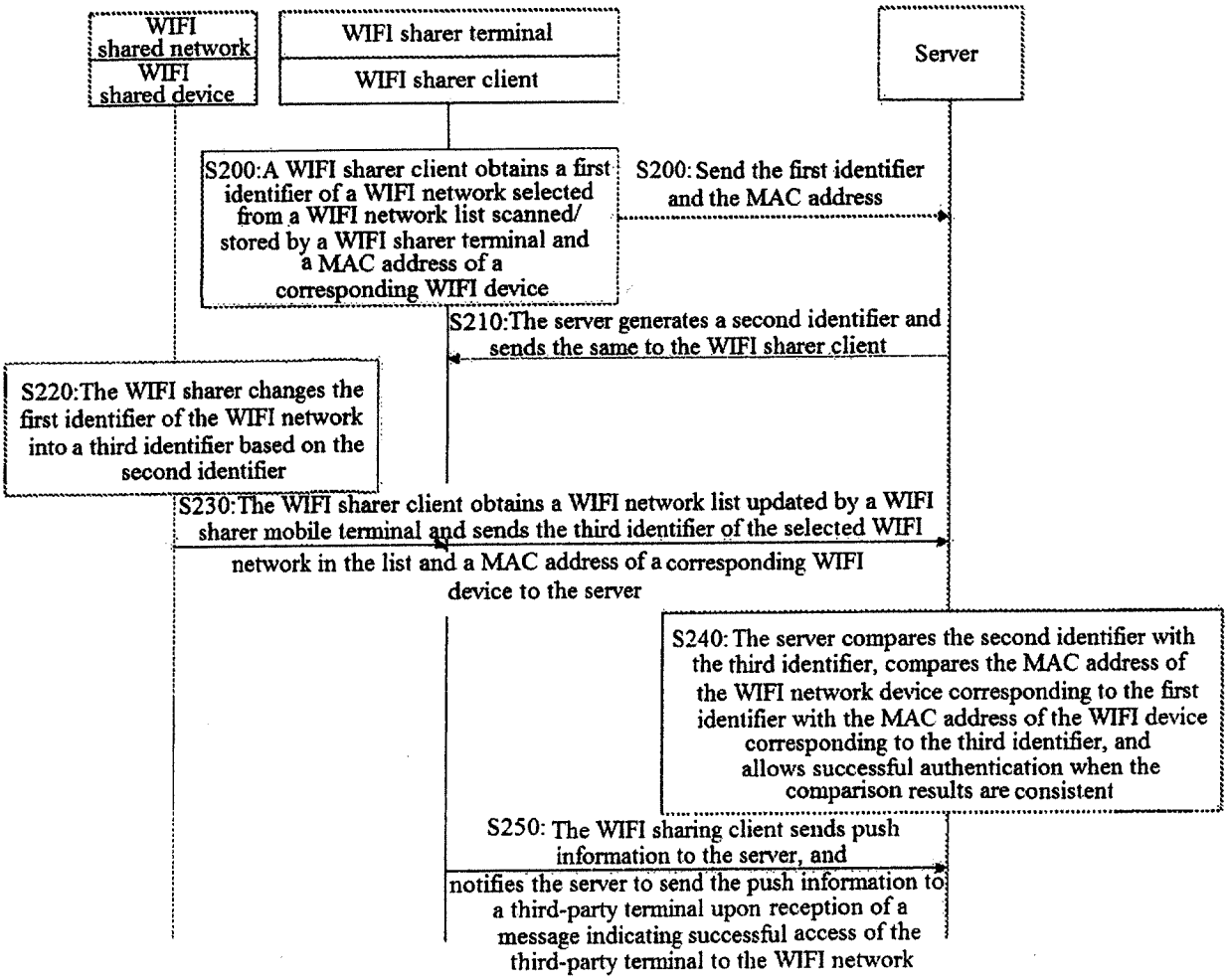
WIFI shared network
WIFI shared device
WIFI sharer terminal
WIFI sharer client
Server
S200:A WIFI sharer client obtains a first identifier of a WIFI network selected from a WIFI network list scanned/ stored by a WIFI sharer terminal and a MAC address of a corresponding WIFI device
S200: Send the first identifier and the MAC address
S210:The server generates a second identifier and sends the same to the WIFI sharer client
S220:The WIFI sharer changes the first identifier of the WIFI network into a third identifier based on the second identifier
S230:The WIFI sharer client obtains a WIFI network list updated by a WIFI sharer mobile terminal and sends the third identifier of the selected WIFI network in the list and a MAC address of a corresponding WIFI device to the server
S240: The server compares the second identifier with the third identifier, compares the MAC address of the WIFI network device corresponding to the first identifier with the MAC address of the WIFI device corresponding to the third identifier, and allows successful authentication when the comparison results are consistent
S250: The WIFI sharing client sends push information to the server, and notifies the server to send the push information to a third-party terminal upon reception of a message indicating successful access of the third-party terminal to the WIFI network

FIG. 2

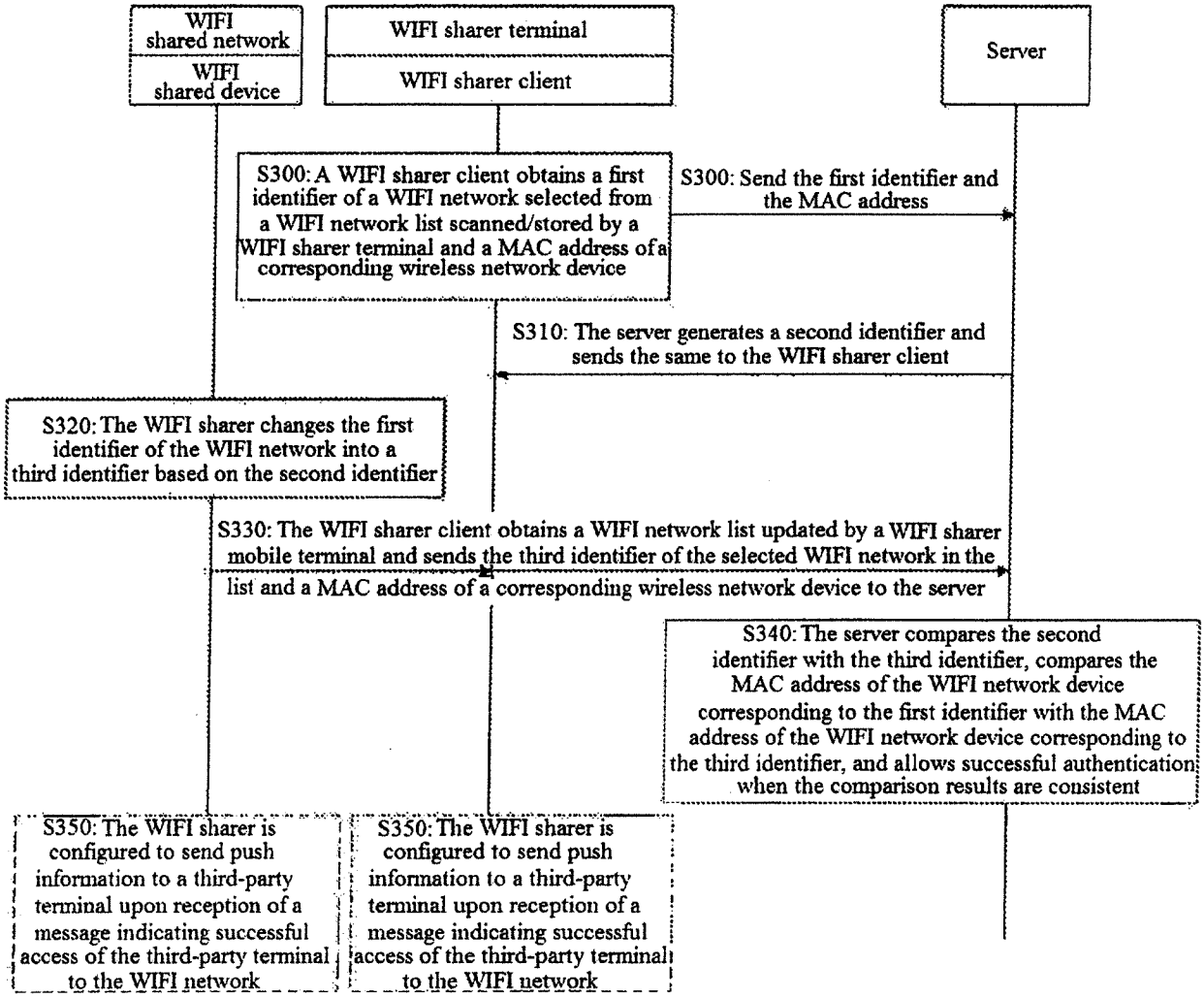
WIFI shared network
WIFI shared device
WIFI sharer terminal
WIFI sharer client
Server
S300: A WIFI sharer client obtains a first identifier of a WIFI network selected from a WIFI network list scanned/stored by a WIFI sharer terminal and a MAC address of a corresponding wireless network device
S300: Send the first identifier and the MAC address
S310: The server generates a second identifier and sends the same to the WIFI sharer client
S320: The WIFI sharer changes the first identifier of the WIFI network into a third identifier based on the second identifier
S330: The WIFI sharer client obtains a WIFI network list updated by a WIFI sharer mobile terminal and sends the third identifier of the selected WIFI network in the list and a MAC address of a corresponding wireless network device to the server
S340: The server compares the second identifier with the third identifier, compares the MAC address of the WIFI network device corresponding to the first identifier with the MAC address of the WIFI network device corresponding to the third identifier, and allows successful authentication when the comparison results are consistent
S350: The WIFI sharer is configured to send push information to a third-party terminal upon reception of a message indicating successful access of the third-party terminal to the WIFI network
S350: The WIFI sharer is configured to send push information to a third-party terminal upon reception of a message indicating successful access of the third-party terminal to the WIFI network

FIG. 3

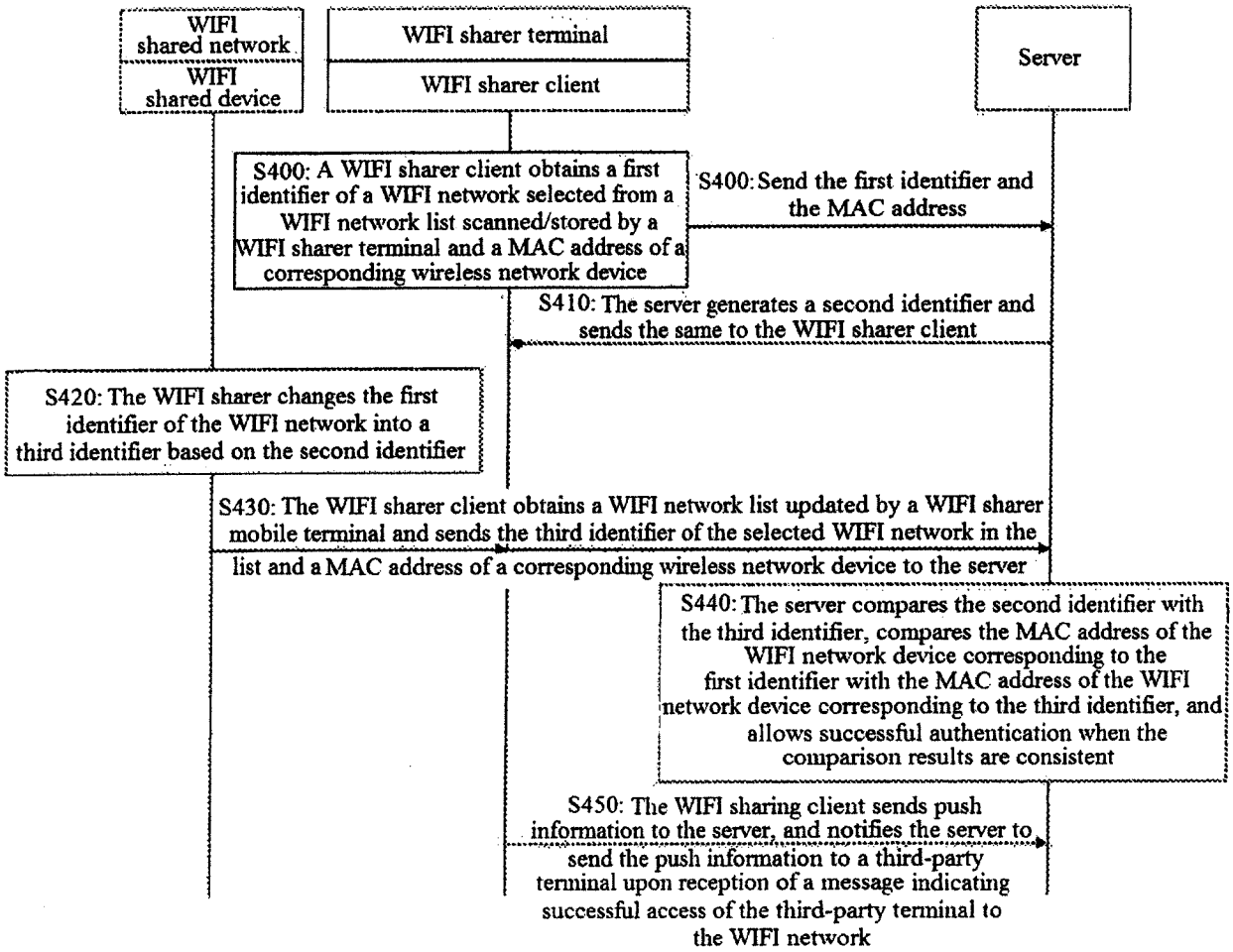
WIFI shared network
WIFI shared device
WIFI sharer terminal
WIFI sharer client
Server
S400: A WIFI sharer client obtains a first identifier of a WIFI network selected from a WIFI network list scanned/stored by a WIFI sharer terminal and a MAC address of a corresponding wireless network device
S400: Send the first identifier and the MAC address
S410: The server generates a second identifier and sends the same to the WIFI sharer client
S420: The WIFI sharer changes the first identifier of the WIFI network into a third identifier based on the second identifier
S430: The WIFI sharer client obtains a WIFI network list updated by a WIFI sharer mobile terminal and sends the third identifier of the selected WIFI network in the list and a MAC address of a corresponding wireless network device to the server
S440: The server compares the second identifier with the third identifier, compares the MAC address of the WIFI network device corresponding to the first identifier with the MAC address of the WIFI network device corresponding to the third identifier, and allows successful authentication when the comparison results are consistent
S450: The WIFI sharing client sends push information to the server, and notifies the server to send the push information to a third-party terminal upon reception of a message indicating successful access of the third-party terminal to the WIFI network

FIG. 4

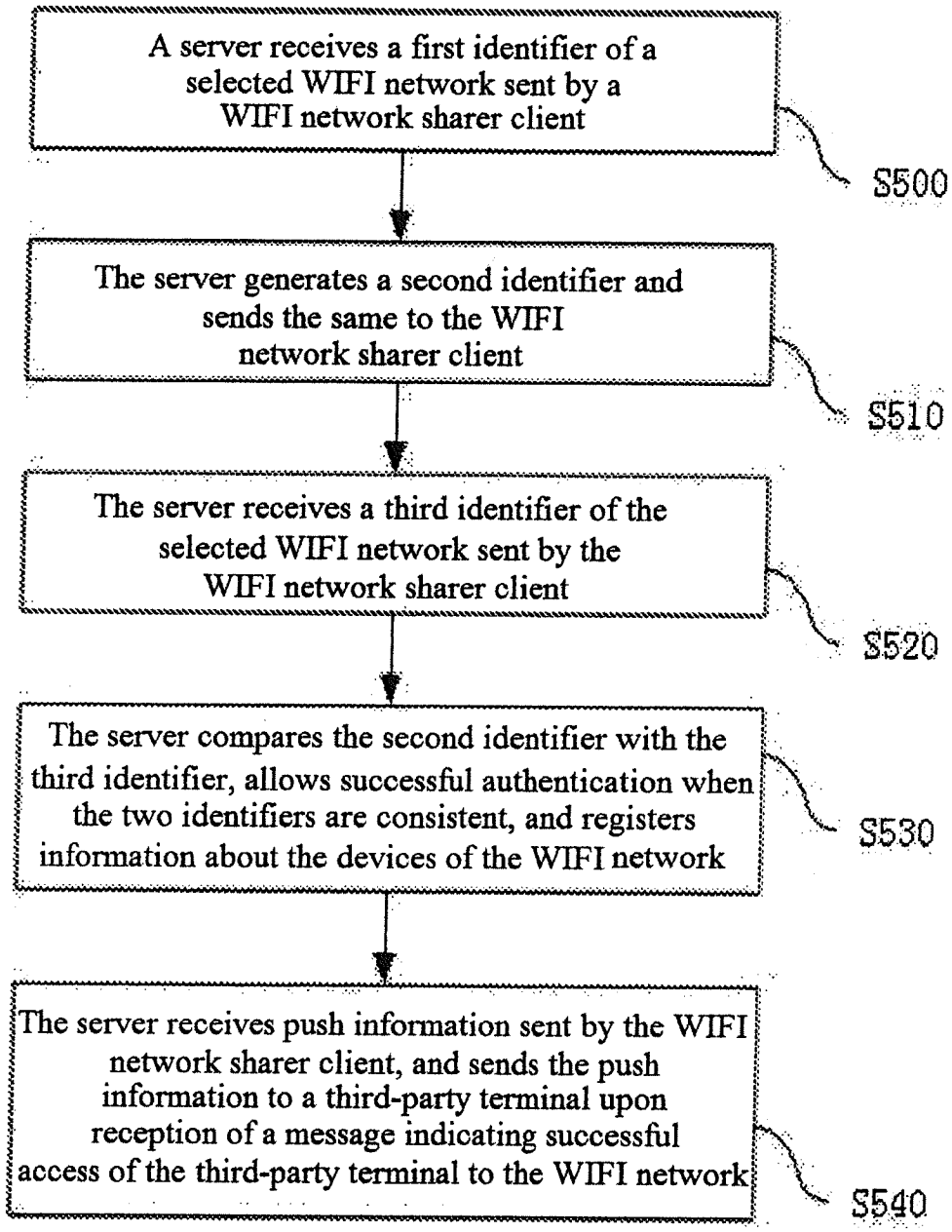
A server receives a first identifier of a selected WIFI network sent by a WIFI network sharer client
S500
The server generates a second identifier and sends the same to the WIFI network sharer client
S510
The server receives a third identifier of the selected WIFI network sent by the WIFI network sharer client
S520
The server compares the second identifier with the third identifier, allows successful authentication when the two identifiers are consistent, and registers information about the devices of the WIFI network
S530
The server receives push information sent by the WIFI network sharer client, and sends the push information to a third-party terminal upon reception of a message indicating successful access of the third-party terminal to the WIFI network
S540

FIG. 5

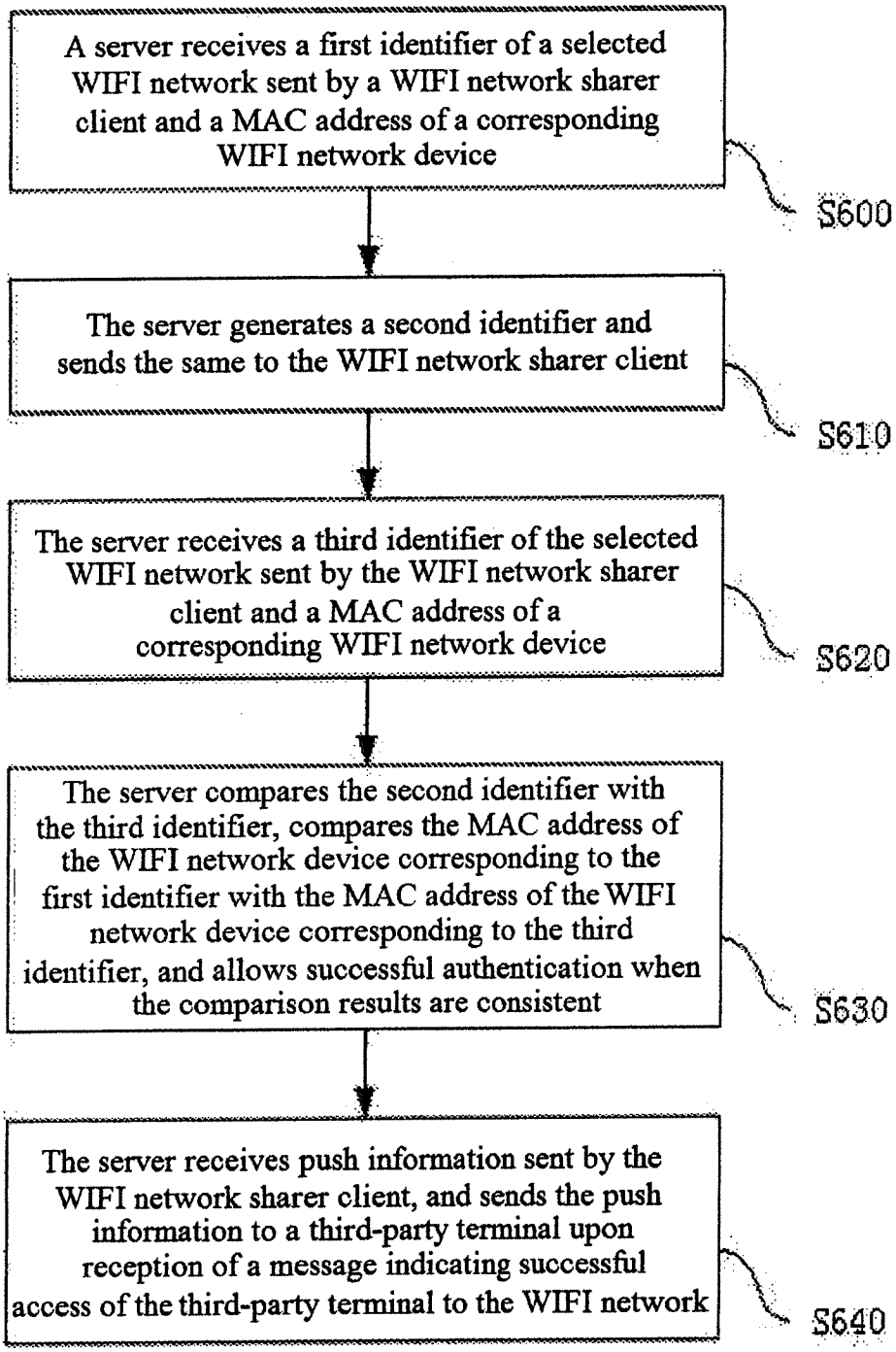
A server receives a first identifier of a selected WIFI network sent by a WIFI network sharer client and a MAC address of a corresponding WIFI network device
S600
The server generates a second identifier and sends the same to the WIFI network sharer client
S610
The server receives a third identifier of the selected WIFI network sent by the WIFI network sharer client and a MAC address of a corresponding WIFI network device
S620
The server compares the second identifier with the third identifier, compares the MAC address of the WIFI network device corresponding to the first identifier with the MAC address of the WIFI network device corresponding to the third identifier, and allows successful authentication when the comparison results are consistent
S630
The server receives push information sent by the WIFI network sharer client, and sends the push information to a third-party terminal upon reception of a message indicating successful access of the third-party terminal to the WIFI network
S640

FIG. 6

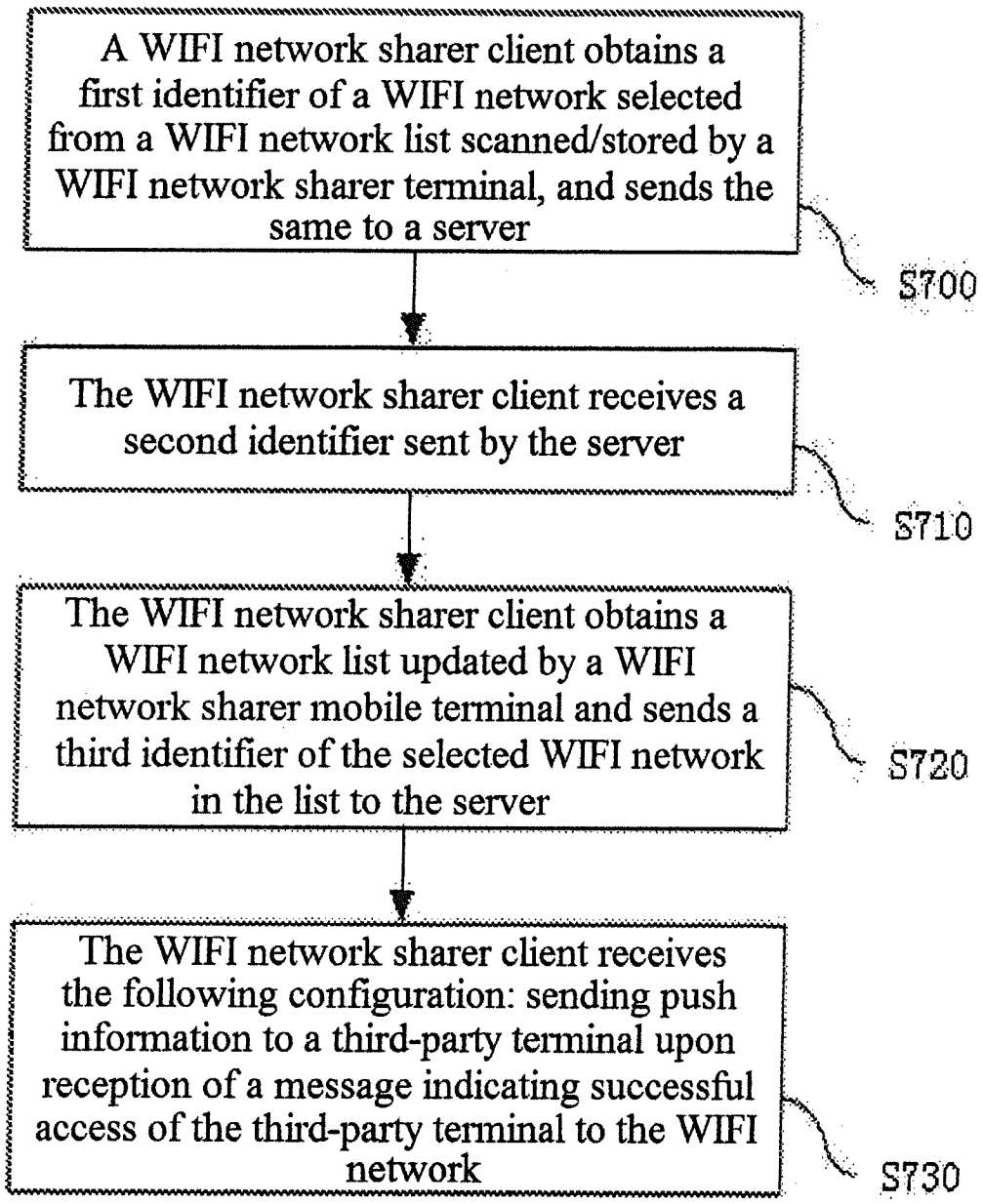
A WIFI network sharer client obtains a first identifier of a WIFI network selected from a WIFI network list scanned/stored by a WIFI network sharer terminal, and sends the same to a server
S700
The WIFI network sharer client receives a second identifier sent by the server
S710
The WIFI network sharer client obtains a WIFI network list updated by a WIFI network sharer mobile terminal and sends a third identifier of the selected WIFI network in the list to the server
S720
The WIFI network sharer client receives the following configuration: sending push information to a third-party terminal upon reception of a message indicating successful access of the third-party terminal to the WIFI network
S730

FIG. 7

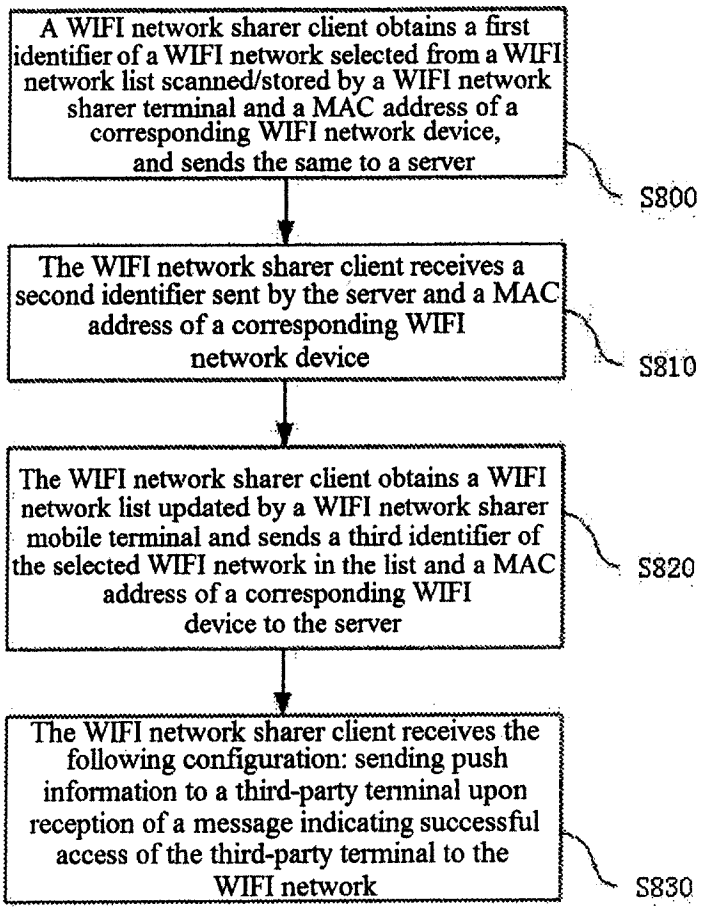
A WIFI network sharer client obtains a first identifier of a WIFI network selected from a WIFI network list scanned/stored by a WIFI network sharer terminal and a MAC address of a corresponding WIFI network device, and sends the same to a server
S800
The WIFI network sharer client receives a second identifier sent by the server and a MAC address of a corresponding WIFI network device
S810
The WIFI network sharer client obtains a WIFI network list updated by a WIFI network sharer mobile terminal and sends a third identifier of the selected WIFI network in the list and a MAC address of a corresponding WIFI device to the server
S820
The WIFI network sharer client receives the following configuration: sending push information to a third-party terminal upon reception of a message indicating successful access of the third-party terminal to the WIFI network
S830

FIG. 8

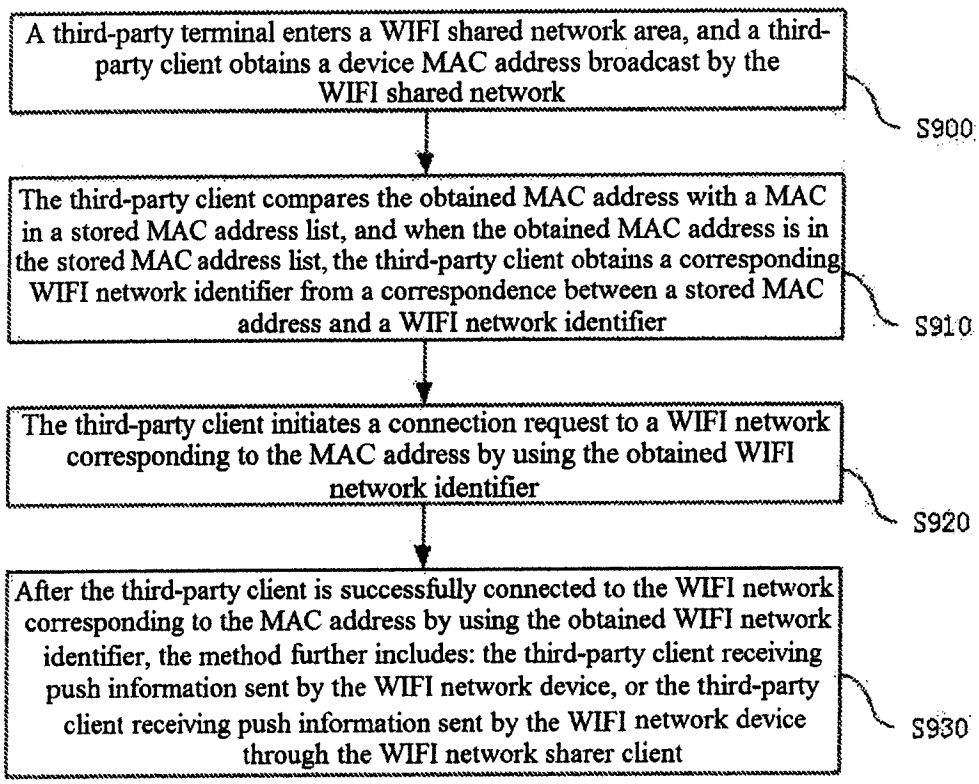
A third-party terminal enters a WIFI shared network area, and a third-party client obtains a device MAC address broadcast by the WIFI shared network
S900
The third-party client compares the obtained MAC address with a MAC in a stored MAC address list, and when the obtained MAC address is in the stored MAC address list, the third-party client obtains a corresponding WIFI network identifier from a correspondence between a stored MAC address and a WIFI network identifier
S910
The third-party client initiates a connection request to a WIFI network corresponding to the MAC address by using the obtained WIFI network identifier
S920
After the third-party client is successfully connected to the WIFI network corresponding to the MAC address by using the obtained WIFI network identifier, the method further includes: the third-party client receiving push information sent by the WIFI network device, or the third-party client receiving push information sent by the WIFI network device through the WIFI network sharer client
S930

FIG. 9

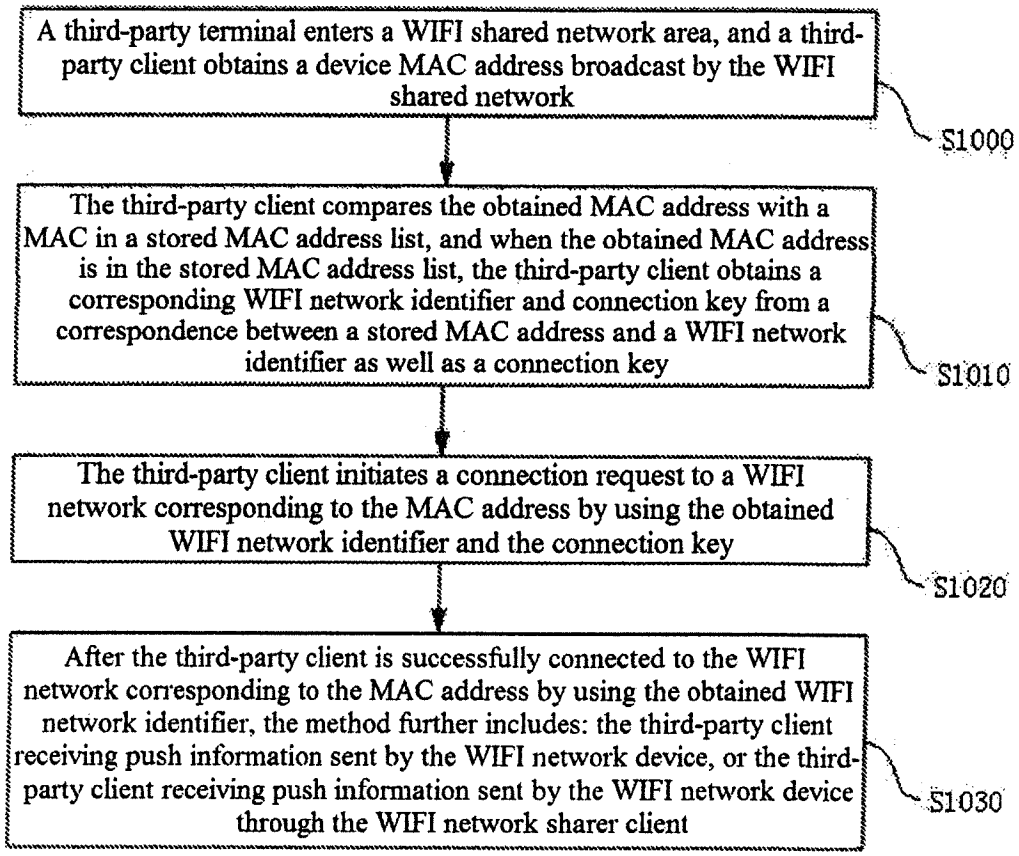
A third-party terminal enters a WIFI shared network area, and a third-party client obtains a device MAC address broadcast by the WIFI shared network
S1000
The third-party client compares the obtained MAC address with a MAC in a stored MAC address list, and when the obtained MAC address is in the stored MAC address list, the third-party client obtains a corresponding WIFI network identifier and connection key from a correspondence between a stored MAC address and a WIFI network identifier as well as a connection key
S1010
The third-party client initiates a connection request to a WIFI network corresponding to the MAC address by using the obtained WIFI network identifier and the connection key
S1020
After the third-party client is successfully connected to the WIFI network corresponding to the MAC address by using the obtained WIFI network identifier, the method further includes: the third-party client receiving push information sent by the WIFI network device, or the third-party client receiving push information sent by the WIFI network device through the WIFI network sharer client
S1030

FIG. 10

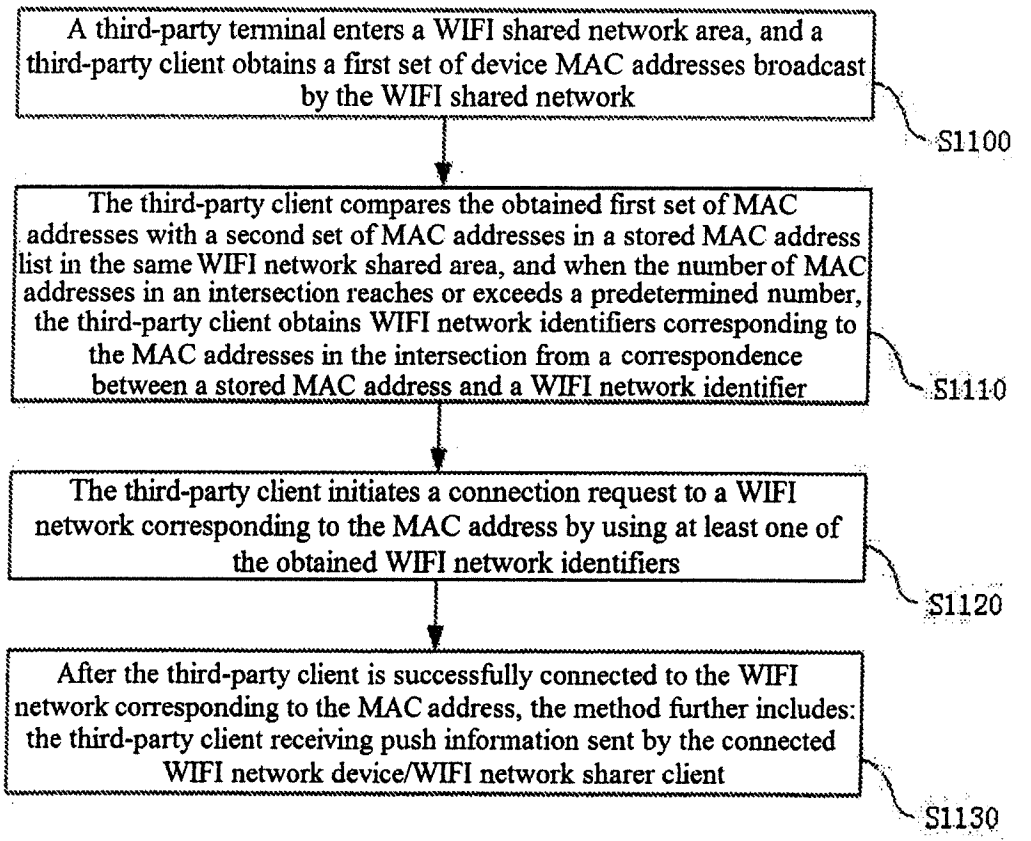
A third-party terminal enters a WIFI shared network area, and a third-party client obtains a first set of device MAC addresses broadcast by the WIFI shared network
S1100
The third-party client compares the obtained first set of MAC addresses with a second set of MAC addresses in a stored MAC address list in the same WIFI network shared area, and when the number of MAC addresses in an intersection reaches or exceeds a predetermined number, the third-party client obtains WIFI network identifiers corresponding to the MAC addresses in the intersection from a correspondence between a stored MAC address and a WIFI network identifier
S1110
The third-party client initiates a connection request to a WIFI network corresponding to the MAC address by using at least one of the obtained WIFI network identifiers
S1120
After the third-party client is successfully connected to the WIFI network corresponding to the MAC address, the method further includes: the third-party client receiving push information sent by the connected WIFI network device/WIFI network sharer client
S1130

FIG. 11

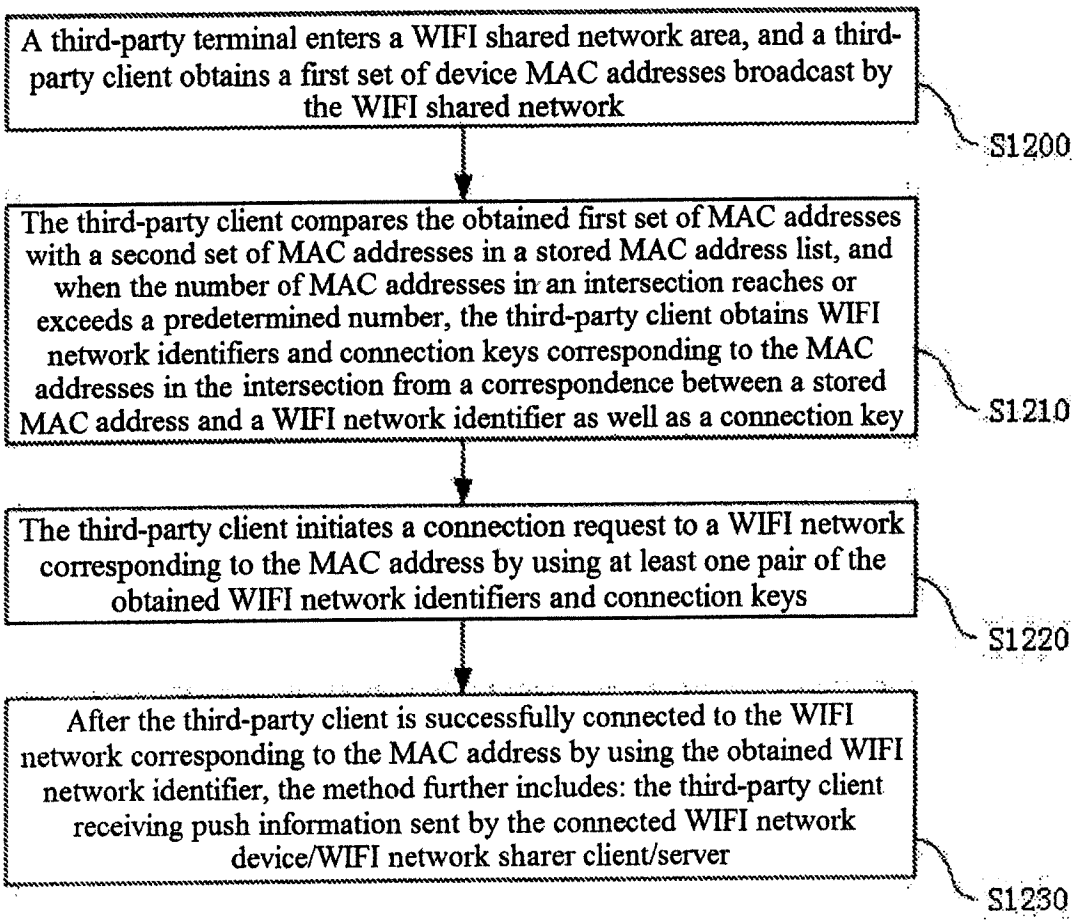
A third-party terminal enters a WIFI shared network area, and a third-party client obtains a first set of device MAC addresses broadcast by the WIFI shared network
S1200
The third-party client compares the obtained first set of MAC addresses with a second set of MAC addresses in a stored MAC address list, and when the number of MAC addresses in an intersection reaches or exceeds a predetermined number, the third-party client obtains WIFI network identifiers and connection keys corresponding to the MAC addresses in the intersection from a correspondence between a stored MAC address and a WIFI network identifier as well as a connection key
S1210
The third-party client initiates a connection request to a WIFI network corresponding to the MAC address by using at least one pair of the obtained WIFI network identifiers and connection keys
S1220
After the third-party client is successfully connected to the WIFI network corresponding to the MAC address by using the obtained WIFI network identifier, the method further includes: the third-party client receiving push information sent by the connected WIFI network device/WIFI network sharer client/server
S1230

FIG. 12

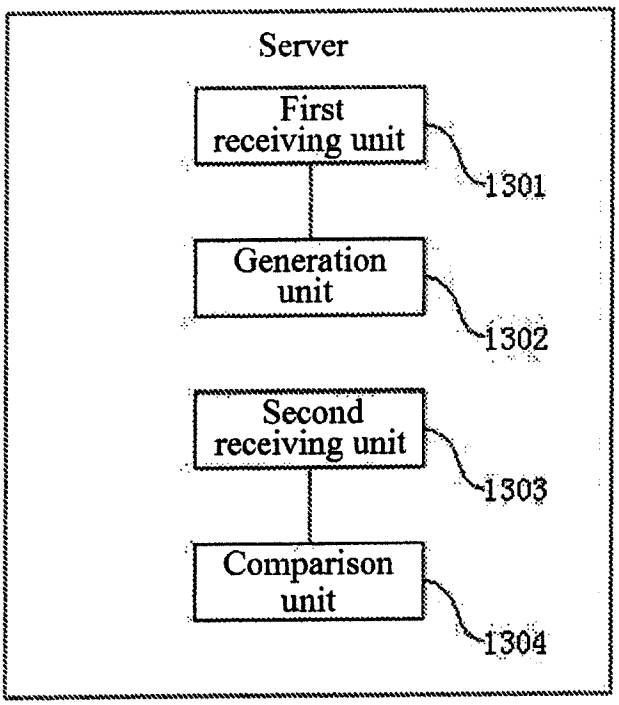
Server
First receiving unit
1301
Generation unit
1302
Second receiving unit
1303
Comparison unit
1304

FIG. 13

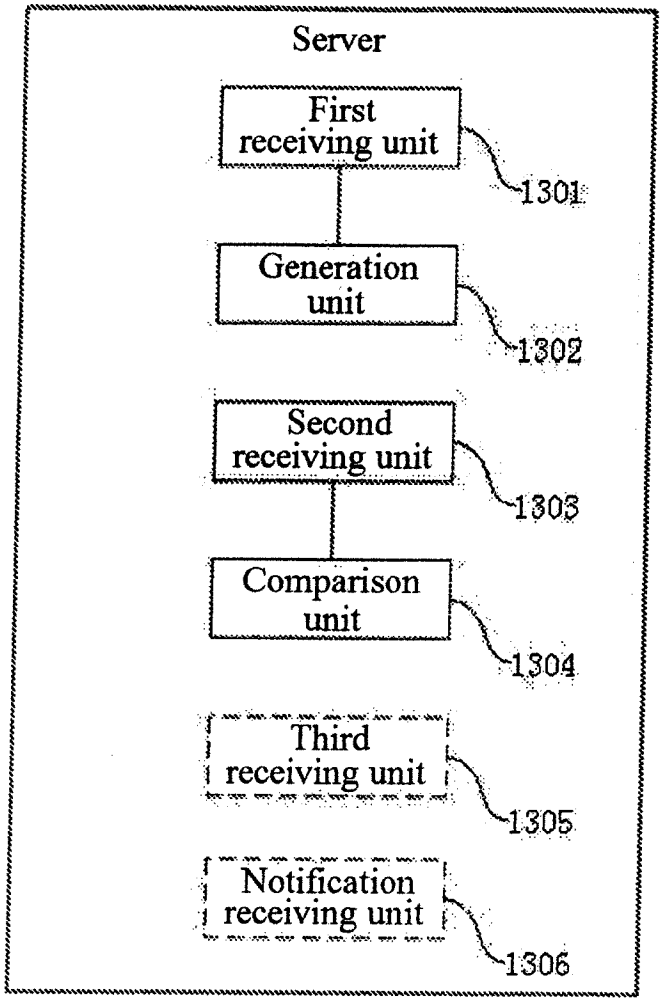
Server
First receiving unit
1301
Generation unit
1302
Second receiving unit
1303
Comparison unit
1304
Third receiving unit
1305
Notification receiving unit
1306

FIG. 14

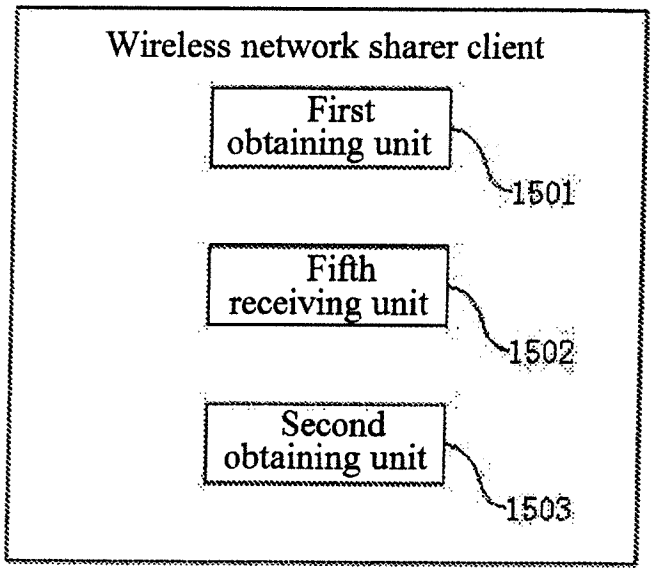
Wireless network sharer client
First obtaining unit
1501
Fifth receiving unit
1502
Second obtaining unit
1503

FIG. 15

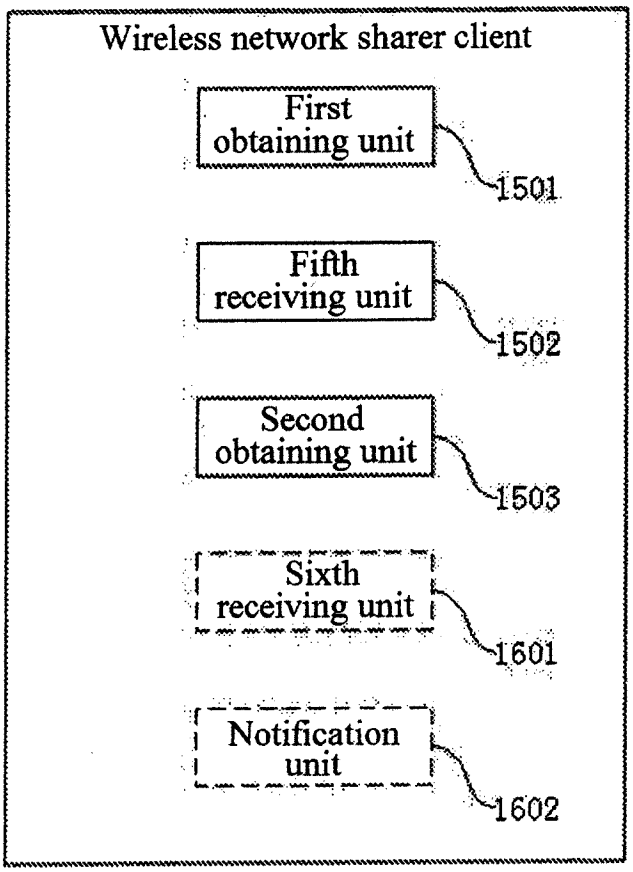
Wireless network sharer client
First obtaining unit
1501
Fifth receiving unit
1502
Second obtaining unit
1503
Sixth receiving unit
1601
Notification unit
1602

FIG. 16

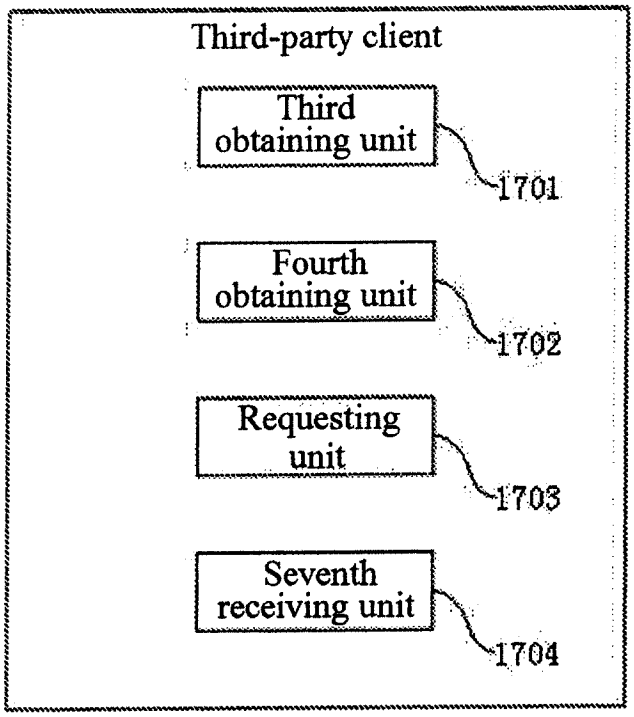
Third-party client
Third obtaining unit
1701
Fourth obtaining unit
1702
Requesting unit
1703
Seventh receiving unit
1704

FIG. 17