CLAIMS

1. A communication method, comprising:

sending, by a user equipment, a first uncharged traffic message to a core network device, wherein the first uncharged traffic message is for triggering the core network device to send a second uncharged traffic message to the user equipment;

receiving, by the user equipment, the second uncharged traffic message from the core network device, wherein the second uncharged traffic message comprises login information, and the login information is information needed by the user equipment to log in to an application server; and

sending, by the user equipment, the login information to the application server, to log in to the application server, wherein

both the first uncharged traffic message and the second uncharged traffic message are messages that are transmitted via a base station without generating to-be-charged traffic.

2. The method according to claim 1, wherein the first uncharged traffic message indicates the core network device to provide the login information to the user equipment.

3. The method according to claim 1 or 2, wherein the method further comprises:

obtaining and displaying, by the user equipment, first identification information; or

obtaining and displaying, by the user equipment, second identification information, wherein

the first identification information identifies a user corresponding to the user equipment, and the second identification information is a result obtained by performing anonymization processing on the first identification information.

4. The method according to claim 3, wherein

the obtaining, by the user equipment, first identification information comprises: obtaining, by the user equipment, the first identification information from a message sent by the core network device; or

the obtaining, by the user equipment, second identification information comprises either of the following: obtaining, by the user equipment, the second identification information from a message sent by the core network device; or obtaining, by the user equipment, the first identification information from a message sent by the core network device, and performing anonymization processing on the first identification information to obtain the second identification information.

5. The method according to claim 4, wherein the method further comprises:

receiving, by the user equipment, a third uncharged traffic message from the core network device, wherein the third uncharged traffic message is a message that is transmitted via the base station without generating to-be-charged traffic; and

the obtaining, by the user equipment, the first identification information from a message sent by the core network device comprises: obtaining, by the user equipment, the first identification information from the third uncharged traffic message; or the obtaining, by the user equipment, the second identification information from a message sent by the core network device comprises: obtaining, by the user equipment, the second identification information from the third uncharged traffic message.

6. The method according to any one of claims 1 to 5, wherein

the message that is transmitted via the base station without generating the to-be-charged traffic is a user plane message that is transmitted via the base station and a user plane data gateway without generating the to-be-charged traffic.

7. The method according to claim 6, wherein the user plane message that is transmitted via the base station and the user plane data gateway without generating the to-be-charged traffic is a session initiation protocol, SIP, message.

8. The method according to claim 7, wherein

the first uncharged traffic message is a SIP query message, and the second uncharged traffic message is a SIP query response message; or

the first uncharged traffic message is a SIP registration message, and the second uncharged traffic message is a SIP registration response message.

9. The method according to any one of claims 6 to 8, wherein the core network device is a call session control function device.

10. The method according to any one of claims 1 to 5, wherein

the message that is transmitted via the base station without generating the to-be-charged traffic is a control plane message transmitted via the base station but not via a user plane data gateway.

11. The method according to claim 10, wherein the control plane message transmitted via the base station but not via the user plane data gateway is a non-access stratum, NAS, message.

12. The method according to claim 11, wherein

the first uncharged traffic message is a NAS registration message, and the second uncharged traffic message is a NAS registration accept message.

13. The method according to any one of claims 10 to 12, wherein the core network device is an access management network element.

14. A communication method, comprising:

receiving, by a core network device, a first uncharged traffic message from a user equipment, wherein the first uncharged traffic message is for triggering the core network device to send a second uncharged traffic message to the user equipment;

generating, by the core network device, login information, wherein the login information is information needed by the user equipment to log in to an application server; and

sending, by the core network device, the second uncharged traffic message to the user equipment, wherein the second uncharged traffic message comprises the login information, wherein

both the first uncharged traffic message and the second uncharged traffic message are messages that are transmitted via a base station without generating to-be-charged traffic.

15. The method according to claim 14, wherein the first uncharged traffic message indicates the core network device to provide the login information to the user equipment.

16. The method according to claim 15, wherein the method further comprises:

sending, by the core network device, first identification information or second identification information to the user equipment, wherein

the first identification information identifies a user corresponding to the user equipment, and the second identification information is a result obtained by performing anonymization processing on the first identification information.

17. The method according to claim 18, wherein the sending, by the core network device, second identification information to the user equipment comprises:

performing, by the core network device, anonymization processing on the first identification information to obtain the second identification information, and sending the second identification information to the user equipment.

18. The method according to claim 17, wherein the sending, by the core network device, first identification information or second identification information to the user equipment comprises:

sending, by the core network device, a third uncharged traffic message to the user equipment, wherein the third uncharged traffic message comprises the first identification information or the second identification information, wherein

the third uncharged traffic message is a message that is transmitted via the base station without generating to-be-charged traffic.

19. A communication apparatus, comprising a unit or a module configured to perform the method according to any one of claims 1 to 18.