CLAIMS

1. A grouping method, the grouping method comprising steps of:

receiving a group initiation request sent by a first client in a current channel, the group initiation request carrying an identifier of the first client;

sending group state information to all clients in the current channel, wherein the group state information comprises all the following four pieces or the first three pieces of content in the total number of positions, content types of the positions, a corresponding relationship between each position and an identifier of a joined client and group joining requirements, wherein the corresponding relationship comprises a corresponding relationship between first position and the identifier of the first client;

receiving a group joining request sent by a second client in the current channel, the group joining request comprising an identifier of the second client and a position that the second client is to join;

updating the group state information and sending the group state information to all clients again in the current channel, wherein the corresponding relationship in the group state information comprises a corresponding relationship between the second position and the identifier of the second client; and

after every position has a corresponding identifier of a joined client, moving joined clients corresponding to all positions into the same sub-channel to accomplish grouping.

~~2. The grouping method according to claim 1,wherein after the step of receiving a group initiation request sent by a first client in the current channel, and before the step of sending group state information to all clients in the current channel, further comprises a step of:~~

~~reading group setting information preset by a client where an administrator of the current channel is located, wherein the group setting information comprises all the following three pieces or the first two pieces of content in the total number of the positions, the content types of the positions and the group joining requirements.~~

~~3. The grouping method according to claim 1, wherein, after the step of receiving a group joining request sent by a second client in the current channel, and before the step of sending the group state information to all clients again in the current channel, further comprises steps of:~~

~~detecting whether or not the identifier of the joined client corresponding to the position that the second client is to join is empty;~~

~~if the identifier of the joined client corresponding to the position that the second client is to join is empty, implementing the step of sending the group state information to all clients again in the current channel; and~~

~~else if the identifier of the joined client corresponding to the position that the second client is to join is not empty, sending the group state information to the second client again, wherein the group state information is currently latest group state information.~~

~~4~~2. The grouping method according to claim 1,wherein after the step of sending the group state information to all clients again in the current channel, wherein the corresponding relationship in the group state information comprises a corresponding relationship between the second position and the identifier of the second client, further comprises steps of:

receiving a group quitting request sent by the second client, the group quitting request comprising the identifier of the second client and the position that the second client is to quit; and

updating the group state information and sending the group state information to all clients again in the current channel, the corresponding relationship in the group state information having removed the corresponding relationship between the second position and the identifier of the second client.

~~5. The grouping method according to claim 4, wherein, after the step of receiving a group quitting request sent by the second client, and before the step of sending the group state information to all clients again in the current channel, further comprises steps of:~~

~~detecting whether or not the identifier of the joined client corresponding to the position that the second client is to quit is the same as the identifier of the second client;~~

~~if the identifier of the joined client corresponding to the position that the second client is to quit is the same as the identifier of the second client, implementing the step of sending the group state information to all the clients again in the current channel; and~~

~~else if the identifier of the joined client corresponding to the position that the second client is to quit is different from the identifier of the second client, sending the group state information to the second client again, wherein the group state information is currently latest group state information.~~

~~6~~3. The grouping method according to claim 1, wherein after the step of sending the group state information to all clients again in the current channel, wherein the corresponding relationship in the group state information comprises a corresponding relationship between the second position and the identifier of the second client, further comprises steps of:

receiving a group member kicking-out request sent by the first client, the group member kicking-out request comprising the corresponding relationship between the second position and the identifier of the second client; and

updating the group state information and sending the group state information to all clients again in the current channel, the corresponding relationship in the group state information having removed the corresponding relationship between the second position and the identifier of the second client.

~~7. The grouping method according to claim 6, wherein after the step of receiving a group member kicking-out request sent by the first client and before the step of sending the group state information to all clients again in the current channel, further comprises steps of:~~

~~detecting whether or not the identifier of the joined client corresponding to the second position in the group member kicking-out request is the same as the identifier of the second client;~~

~~if the identifier of the joined client corresponding to the second position in the group member kicking-out request is the same as the identifier of the second client, implementing the step of sending the group state information to all clients again in the current channel; and~~

~~else if the identifier of the joined client corresponding to the second position in the group member kicking-out request is different from the identifier of the second client, sending the group state information to the first client again, wherein the group state information is currently latest group state information.~~

~~8. The grouping method according to claim 1, wherein before the step of receiving a group joining request sent by a second client in the current channel, further comprises steps of:~~

~~receiving a group state reading request sent by a second client which newly enters in the current channel; and~~

~~sending the group state information to the second client again, wherein the group state information is currently latest group state information.~~

~~9~~4. The grouping method according to claim 1, wherein after the step of sending group state information to all clients in the current channel, further comprises steps of:

receiving a group cancelling request sent by the first client or a client where an administrator of the current channel is located, wherein the group cancelling request sent by the first client is a request that is actively initiated by a user or is automatically triggered after a predetermined period of sending the group initiation request; and

updating the group state information and sending the group state information to all clients in the current channel again, the group state information comprising all the following four pieces or the first three pieces of content in the total number of the positions, the content types of the positions, the corresponding relationship between each position and the identifier of the joined client and the group joining requirements, wherein the corresponding relationship is empty.

~~10. The grouping method according to claim 1, wherein the step of after every position has a corresponding identifier of a joined client, moving joined clients corresponding to all positions into the same sub-channel to accomplish grouping, comprises steps of:~~

~~after every position has a corresponding identifier of a joined client, receiving grouping accomplishing information sent by a client where an administrator of the current channel is located; and~~

~~moving the joined clients corresponding to all the positions into the same sub-channel to accomplish grouping after receiving the grouping accomplishing information.~~

~~11. The grouping method according to any of claim 1-10, further comprises steps of:~~

~~utilizing a channel server as a transfer server to receive requests sent by every client in the current channel; and/or,~~

~~utilizing a channel server as the transfer server to send information to every client in the current channel in the form of broadcasting mode or unicasting mode.~~

~~12~~5. A grouping method, used in a first client, the grouping method comprising steps of:

sending a group initiation request to a grouping server, the group initiation request carrying an identifier of the first client;

receiving group state information sent by the grouping server, wherein the group state information comprises all the following four pieces or the first three pieces of content in the total number of positions, content types of the positions, a corresponding relationship between each position and an identifier of a joined client and group joining requirements, wherein the corresponding relationship comprises a corresponding relationship between the first position and the identifier of the first client;

receiving the group state information sent again by the grouping server, wherein the corresponding relationship in the group state information comprises a corresponding relationship between the second position and the identifier of the second client; and

after every position has a corresponding identifier of a joined client, entering the same sub-channel with other joined clients to accomplish grouping.

~~13~~6. The grouping method according to claim ~~12~~5, wherein before the step of after every position has a corresponding identifier of a joined client, entering the same sub-channel with other joined clients to accomplish grouping, further comprises steps of:

sending a group member kicking-out request to the grouping server, the group member kicking-out request comprising the corresponding relationship between the second position and the identifier of the second client; and

receiving the group state information sent again by the grouping server, the corresponding relationship in the group state information having removed the corresponding relationship between the second position and the identifier of the second client, or, the group state information is currently latest group state information.

~~14~~7. The grouping method according to claim ~~12~~5, wherein after the step of sending a group initiation request to a grouping server, further comprises steps of:

sending a group cancelling request to the grouping server, wherein the group cancelling request is a request that is actively initiated by a user or is automatically triggered after a predetermined period of sending the group initiation request; and

receiving the group state information sent again by the grouping server, wherein the group state information comprises all the following four pieces or the first three pieces of content in the total number of the positions, the content types of the positions, the corresponding relationship between each position and the identifier of the joined client and the group joining requirements, wherein the corresponding relationship is empty.

~~15~~8. A grouping method used in a second client, the method comprising steps of:

receiving group state information sent by a grouping server, wherein the group state information comprises all the following four pieces or the first three pieces of the total number of the positions, content types of the positions, corresponding relationship between each position and an identifier of a joined client and the group joining requirements, wherein the corresponding relationship comprises a corresponding relationship between first position and an identifier of the first client;

sending a group joining request to the grouping server, the group joining request comprising identifier of the second client and a position that the second client is to join;

receiving the group state information sent again by the grouping server, wherein the corresponding relationship in the group state information comprises a corresponding relationship between second position and the identifier of the second client; and

after every position has a corresponding identifier of a joined client, moving joined clients corresponding to all positions into the same sub-channel to accomplish grouping.

~~16. The grouping method according to claim 15, wherein after the step of receiving group state information sent by the grouping server, and before the step of sending a group joining request to the grouping server, further comprises steps of:~~

~~detecting whether the group joining requirements in the group state information are satisfied, the group joining requirements comprising at least one of following items, which comprise contribution value to the current channel reaching a predetermined threshold, current reward points reaching a predetermined threshold and privilege of the current channel reaching a predetermined requirement of privilege;~~

~~if the detecting result is that the group joining requirements in the group state information are satisfied, implementing the step of sending the group joining request to the grouping server.~~

~~17~~9. The grouping method according to claim ~~15~~8, wherein after the step of sending a group joining request to the grouping server, further comprises steps of:

sending a group quitting request to the grouping server, the group quitting request comprising the identifier of the second client and the position that the second client is to quit; and

receiving the group state information sent again by the grouping server, the corresponding relationship in the group state information having removed the corresponding relationship between the second position and the identifier of the second client, or the group state information is currently latest group state information.

~~18~~10. The grouping method according to claim ~~15~~8, wherein after the step of receiving the group state information sent again by the grouping server, the corresponding relationship in the group state information having removed the corresponding relationship between the second position and the identifier of the second client, further comprises a step of:

receiving the group state information sent again by the grouping server after receiving a group member kicking-out request sent by the first client, the corresponding relationship in the group state information having removed the corresponding relationship between the second position and the identifier of the second client.

~~19. The grouping method according to any of claims 15-18, wherein before the step of receiving group state information sent by the grouping server, further comprises step of:~~

~~sending a reading request of group state information to the grouping server after entering the current channel.~~

~~20~~11. A grouping server , the server comprising:

a first receiving module, configured to receive a group initiation request sent by a first client in the current channel, the group initiation request carrying an identifier of the first client;

a state broadcasting module, configured to send group state information to all the clients in the current channel, wherein the group state information comprises all the following four pieces or the first three pieces of content in the total number of positions, content types of the position, corresponding relationship between each position and an identifier of a joined client and group joining requirements, wherein the corresponding relationship comprises a corresponding relationship between first position and an identifier of the first client;

a second receiving module, configured to receive a group joining request sent by a second client in the current channel, the group joining request comprising an identifier of second client and a position that the second client is to join;

the state broadcasting module, further configured to update the group state information and send the group state information to all clients again in the current channel, wherein the corresponding relationship in the group

state information comprises the corresponding relationship between the second position and the identifier of the second client; and

a channel shifting-in module, configured to move each joined client corresponding to each position into the same sub-channel after every position has a corresponding identifier of a joined client received from the first receiving module or the second receiving module.

~~21. The server according to claim 20, further comprising:~~

~~a setting reading module, configured to read group setting information preset by a client where an administrator of the current channel is located, wherein the group setting information comprises all the following three pieces or the first two pieces of content in the total number of the positions, the content types of the positions and the group joining requirements.~~

~~22. The server according to claim 20, further comprising: a joining detecting module and a state unicasting module;~~

~~the joining detecting module, configured to detect whether or not the identifier of the joined client corresponding to the position that the second client received from the second receiving module is to join is empty;~~

~~the state broadcasting module, further configured to implement the step of sending the group state information to all the clients again in the current channel if the joining detecting module detects that the identifier of the joined client corresponding to the position that the second client is to join is empty; and~~

~~the state unicasting module, configured to send the group state information to the second client again, wherein the group state information is currently latest group state information, if the joining detecting module detects that the identifier of the joined client corresponding to the position that the second client is to join is not empty.~~

~~23~~12. The server according to claim ~~20~~11, further comprising: a third receiving module;

the third receiving module, configured to receive a group quitting request sent by the second client, the group quitting request comprising the identifier of the second client and the position that the second client is to quit; and

the state broadcasting module, further configured to update the group state information and send the group state information to all clients again in the current channel, the corresponding relationship in the group state information having removed the corresponding relationship between the second position and the identifier of the second client received from the third receiving module.

~~24. The server according to claim 23, further comprising: a quitting detecting module;~~

~~the quitting detecting module, configured to detect whether or not the identifier of the joined client corresponding to the position that the second client is to quit received from the third receiving module is the same as the identifier of the second client;~~

~~the state broadcasting module, further configured to implement the step of sending the group state information to all clients again in the current channel if the quitting detecting module detects that the identifier of the joined client corresponding to the position that the second client is to quit is the same as the identifier of the second client; and~~

~~the state unicasting module, further configured to send the group state information to the second client again, wherein the group state information is currently latest group state information, if the quitting detecting module detects that the identifier of the joined client corresponding to the position that the second client is to quit is different from the identifier of the second client.~~

~~25~~13. The server according to claim ~~20~~11, further comprising: a forth receiving module;

the forth receiving module, configured to receive the group member kicking-out request sent by the first client, the group member kicking-out request comprising the corresponding relationship between the second position and the identifier of the second client; and

the state broadcasting module, further configured to update the group state information and send the group state information to all the clients again in the current channel, the corresponding relationship in the

group state information having removed the corresponding relationship between the second position received from the forth receiving module and the identifier of the second client.

~~26. The server according to claim 25, further comprising: a kicking-out detecting module;~~

~~the kicking-out detecting module, configured to detect whether or not the identifier of the joined client corresponding to the second position in the group member kicking-out request received from the forth receiving module is the same as the identifier of the second client;~~

~~the state broadcasting module, further configured to implement the step of sending the group state information to all the clients again in the current channel if the kicking detecting module detects that the identifier of the joined client corresponding to the second position in the group member kicking-out request is the same as the identifier of the second client; and~~

~~the state unicasting module, further configured to send the group state information to the first client again, wherein the group state information is currently latest group state information, if the kicking detecting module detects that the identifier of the joined client corresponding to the second position in the group member kicking-out request is different from the identifier of the second client.~~

~~27. The server according to claim 20, further comprising: a fifth receiving module;~~

~~the fifth receiving module, configured to receive the group state reading request sent by a second client which newly enters in the current channel; and~~

~~the state unicasting module, further configured to send the group state information to the second client again, wherein the group state information is currently latest group state information.~~

~~28~~14. The server according to claim ~~20~~11, further comprising: a sixth receiving module;

the sixth receiving module, configured to receive the group cancelling request sent by the first client or a client where an administrator of the current channel is located, wherein the group cancelling request sent by the first client is a request that is actively initiated by a user or is automatically triggered after a predetermined period of sending the group initiation request; and

the state broadcasting module, further configured to update the group state information and send the group state information to all clients in the current channel again, wherein the group state information comprises all the following four pieces or the first three pieces of content in the total number of the positions, the content types of the positions, the corresponding relationship between each position and the identifier of the joined client and the group joining requirements, wherein the corresponding relationship is empty.

~~29. The server according to claim 20, wherein the channel shifting-in module further comprises: a completing receiving unit and a channel shifting-in unit;~~

~~the completing receiving unit is configured to receive the grouping accomplishing information sent by a client where an administrator of the current channel is located, after every position has a corresponding identifier of a joined client; and~~

~~the channel shifting-in unit is configured to move the joined clients corresponding to all the positions into the same sub-channel to accomplish grouping upon receiving the grouping accomplishing information.~~

~~30. The server according to any of claims 20-29, wherein, the grouping server utilizes a channel server as a transfer server to receive requests sent by every client in the current channel; and/or,~~

~~the grouping server utilizes the channel server as the transfer server to send information to every client in the current channel in form of broadcasting mode or unicasting mode.~~

~~31~~15. A first client, comprising:

a first sending module, configured to send a group initiation request to grouping server, the group initiation request carrying an identifier of the first client;

a state receiving module, configured to receive group state information sent by the grouping server, wherein the group state information comprises all the following four pieces or the first three pieces of content in the total number of positions, content types of the position, corresponding relationship between each position and an identifier of a joined client and group joining requirements, wherein the corresponding

relationship comprises a corresponding relationship between the first position and the identifier of the first client;

the state receiving module, further configured to receive the group state information sent again by the grouping server, wherein corresponding relationship in the group state information comprises a corresponding relationship between second position and an identifier of the second client; and

a channel entering module, configured to enter the same sub-channel with other joined clients to accomplish grouping after every position has a corresponding identifier of a joined client.

~~32~~16. The first client according to claim ~~31~~15, further comprising: a forth sending module;

the forth sending module, configured to send a group member kicking-out request to the grouping server, the group member kicking-out request comprising the corresponding relationship between the second position and the identifier of the second client; and

the state receiving module, further configured to receive the group state information sent again by the grouping server, the corresponding relationship in the group state information having removed the corresponding relationship between the second position and the identifier of the second client, or the group state information is currently latest group state information.

~~33~~17. The first client according to claim ~~31~~15, further comprising: a sixth sending module;

the sixth sending module, configured to send a group cancelling request to the grouping server, wherein the group cancelling request sent by the first client is a request that is actively initiated by a user or is automatically triggered after a predetermined period of sending the group initiation request; and

the state receiving module, further configured to receive the group state information sent again by the grouping server, wherein the group state information comprises all the following four pieces or the first three pieces of content in the total number of the positions, the content types of the positions, the corresponding relationship between each position and the identifier of the joined client and the group joining requirements, wherein the corresponding relationship is empty.

~~34~~18. A second client, comprising:

a state receiving module, configured to receive group state information sent by the grouping server, wherein the group state information comprises all the following four pieces or the first three pieces of content in the total number of the positions, content types of the positions, corresponding relationship between each position and an identifier of a joined client and group joining requirements, wherein the corresponding relationship comprises a corresponding relationship between a first position and an identifier of the first client;

a second sending module, configured to send a group joining request to the grouping server, the group joining request comprising an identifier of the second client and a position that the second client is to join;

the state receiving module, further configured to receive the group state information sent again by the grouping server, wherein the corresponding relationship in the group state information comprises a corresponding relationship between second position and the identifier of the second client; and

a channel entering module, configured to enter the same sub-channel with other joined clients to accomplish grouping after every position has a corresponding identifier of the joined client.

~~35. The second client according to claim 34, further comprising: a requirement detecting module;~~

~~a requirement detecting module, configured to detect whether the group joining requirements in the group state information are satisfied, the group joining requirements comprising at least one of following items, which comprise contribution value to the current channel reaching a predetermined threshold, current reward points reaching a predetermined threshold and privilege of the current channel reaching a predetermined requirement of privilege; and~~

~~the second sending module, further configured to implementing the step of sending a group joining request to the grouping server if the detecting result is that the group joining requirements in the group state information are satisfied.~~

~~36~~19. The second client according to claim ~~34~~18, further comprising: a third sending module;

the third sending module, configured to send a group quitting request to the grouping server, the group quitting request comprising the identifier of the second client and the position that the second client is to quit; and

the state receiving module, further configured to receive the group state information sent again by the grouping server, the corresponding relationship in the group state information having removed the corresponding relationship between the second position and the identifier of the second client, or the group state information is currently latest group state information.

~~37~~20. The second client according to claim ~~34~~18, the state receiving module further configured to receive the group state information sent again by the grouping server, after the grouping server receives a group member kicking-out request sent by the first client, the corresponding relationship in the group state information having removed the corresponding relationship between the second position and the identifier of the second client.

~~38. The second client according to any of claims 34-37, further comprising: a fifth sending module; wherein,~~

~~the fifth sending module is configured to send group state information reading request to the grouping server after entering the current channel.~~

~~39. A grouping system, comprising a grouping server, a first client and a second client; wherein,~~

~~the grouping server is a grouping server according to any of claims 20-29;~~

~~the first client is a first client according to any of claims 31-33;~~

~~the second client is a second client according to any of claims 34-38.~~

~~40. A grouping system, comprising a grouping server, a first client, a second client and a channel server; wherein,~~

~~the grouping server is a grouping server according to claim 30;~~

~~the first client is a first client according to any of claims 31 to 33;~~

~~the second client is a second client according to any of claims 34 to 38.~~