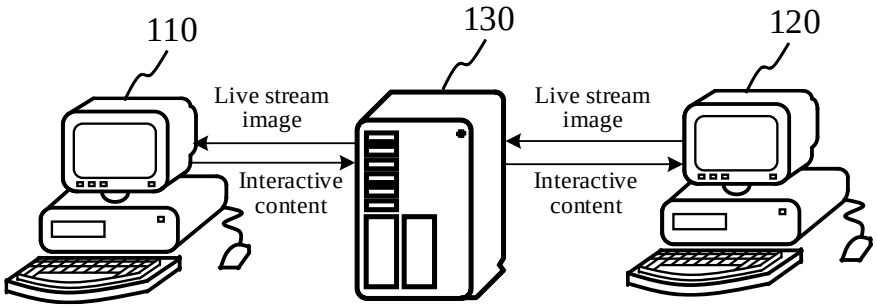


FIG. 1

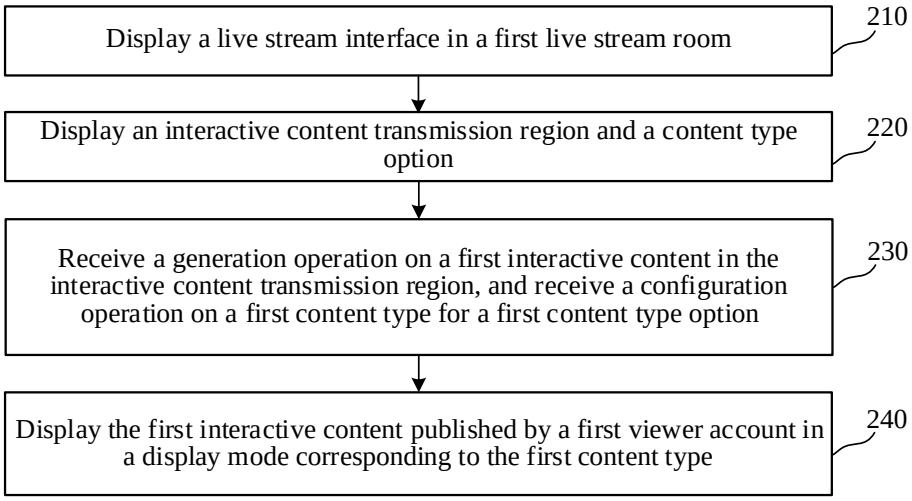


FIG. 2

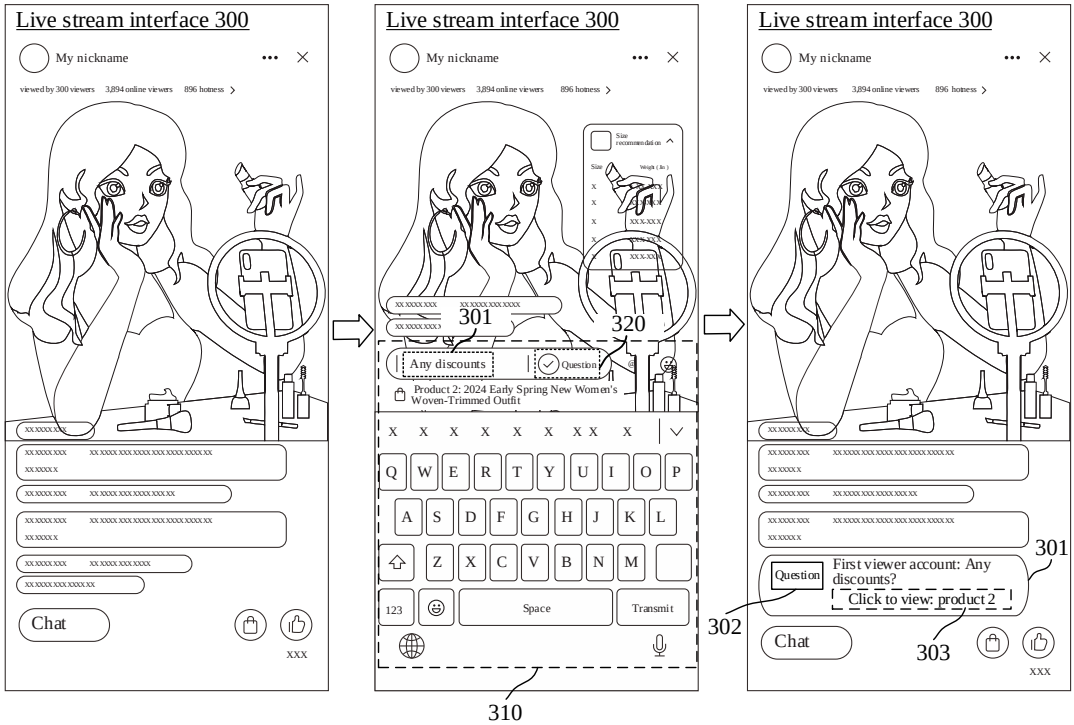


FIG. 3

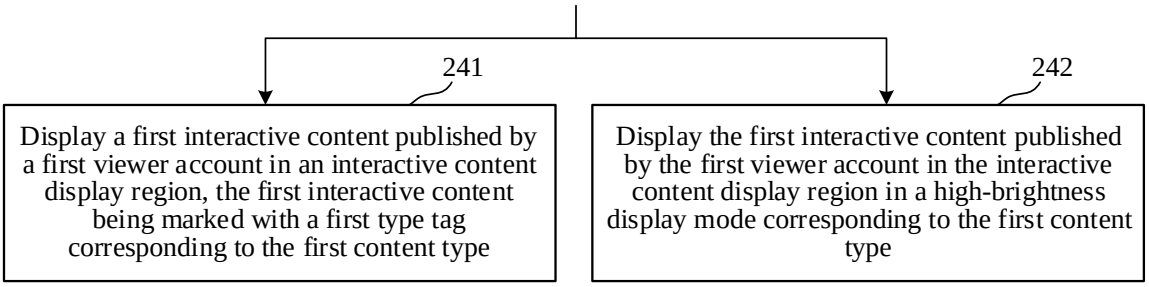


FIG. 4

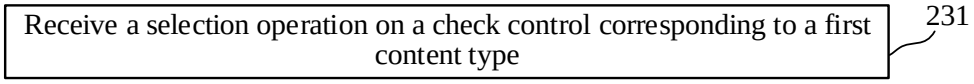


FIG. 5

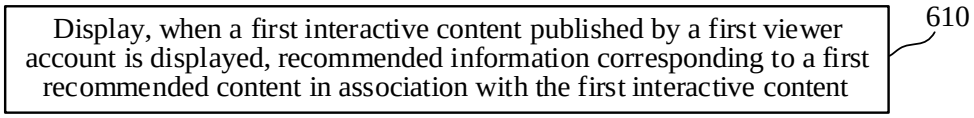


FIG. 6

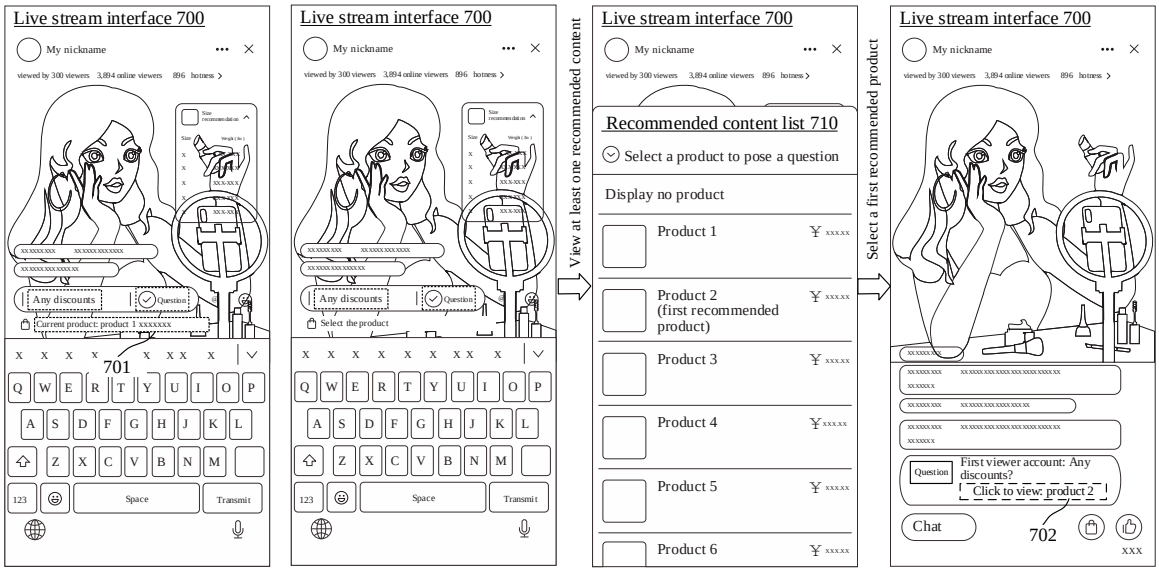


FIG. 7

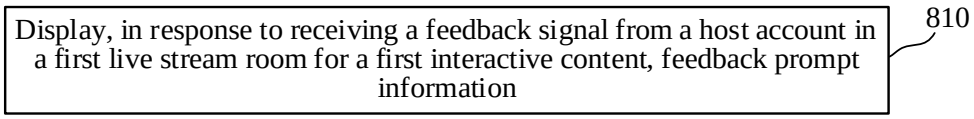


FIG. 8

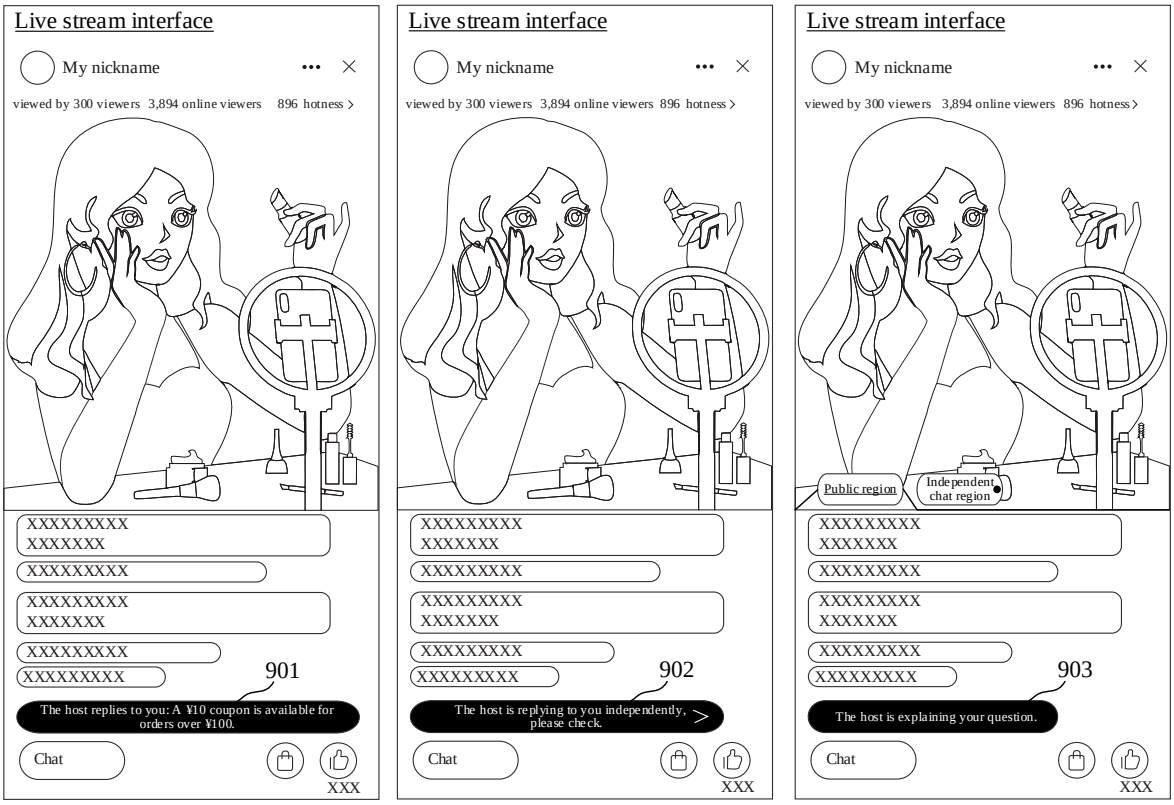


FIG. 9

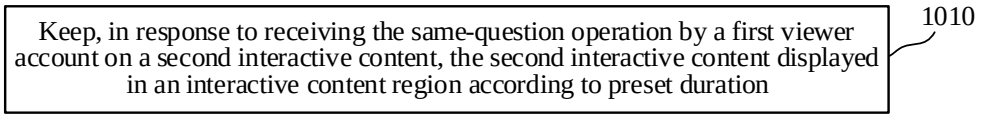


FIG. 10

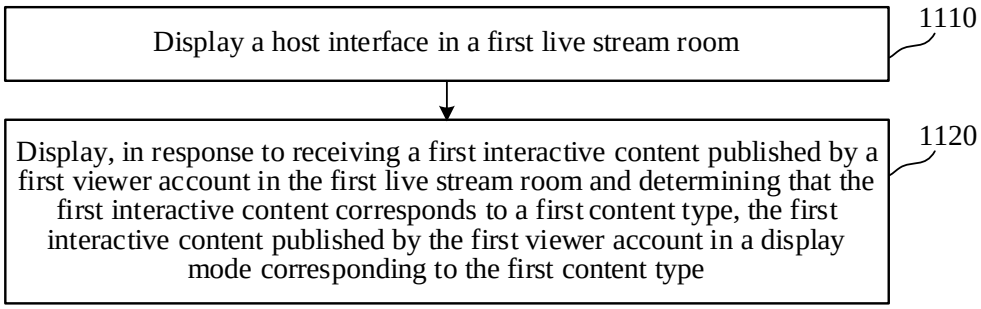


FIG. 11

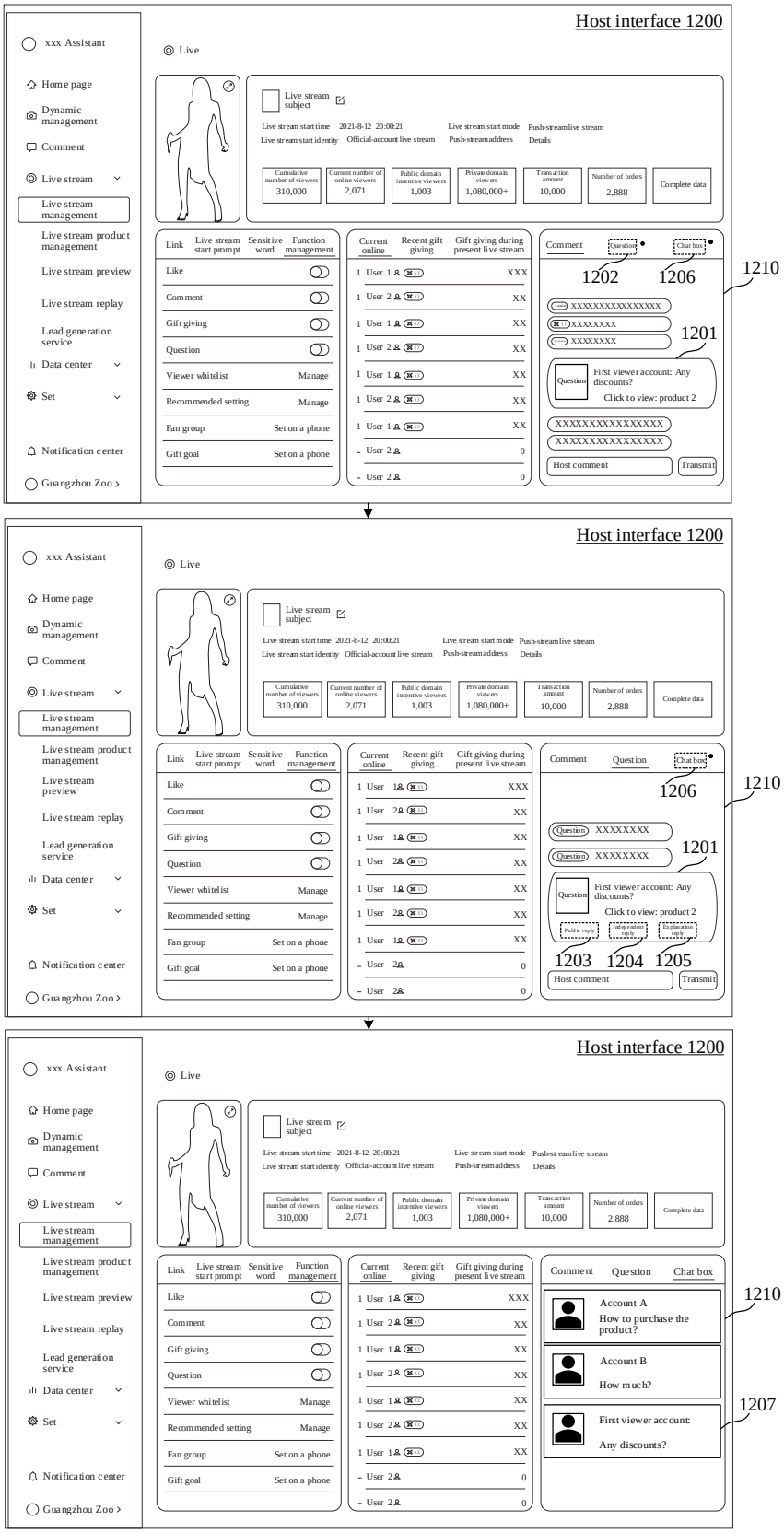

Host interface 1200
xxx Assistant
Live
Home page
Dynamic management
Comment
Live stream
Live stream management
Live stream product management
Live stream preview
Live stream replay
Lead generation service
Data center
Set
Notification center
Guangzhou Zoo
Live stream subject
Live stream start time 2021-8-12 20:00:21
Live stream start mode Push-stream live stream
Live stream start identity Official-account live stream
Push-stream address
Details
Cumulative number of viewers 310,000
Current number of online viewers 2,071
Public domain incentive viewers 1,003
Private domain viewers 1,080,000+
Transaction amount 10,000
Number of orders 2,888
Complete data
Link
Live stream start prompt
Sensitive word
Function management
Like
Comment
Gift giving
Question
Viewer whitelist
Manage
Recommended setting
Manage
Fan group
Set on a phone
Gift goal
Set on a phone
Current online
Recent gift giving
Gift giving during present live stream
Comment
Question
Chat box
1202
1206
1210
1201
First viewer account: Any discounts?
Click to view: product 2
Host comment
Transmit
1203
1204
1205
Account A
How to purchase the product?
Account B
How much?
First viewer account:
Any discounts?
1207

FIG. 12

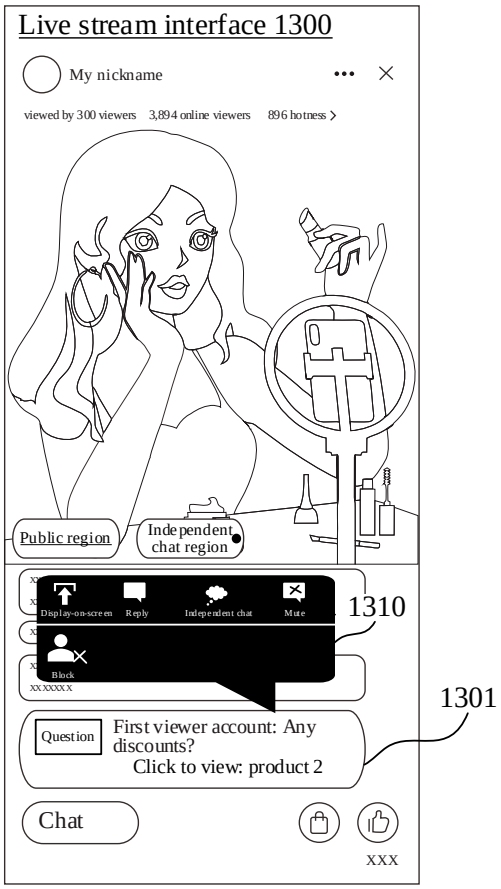

Live stream interface 1300
My nickname
viewed by 300 viewers 3,894 online viewers 896 hotness
Public region
Independent chat region
Display-on-screen
Reply
Independent chat
Mute
Block
1310
1301
Question
First viewer account: Any discounts?
Click to view: product 2
Chat
XXX

FIG. 13

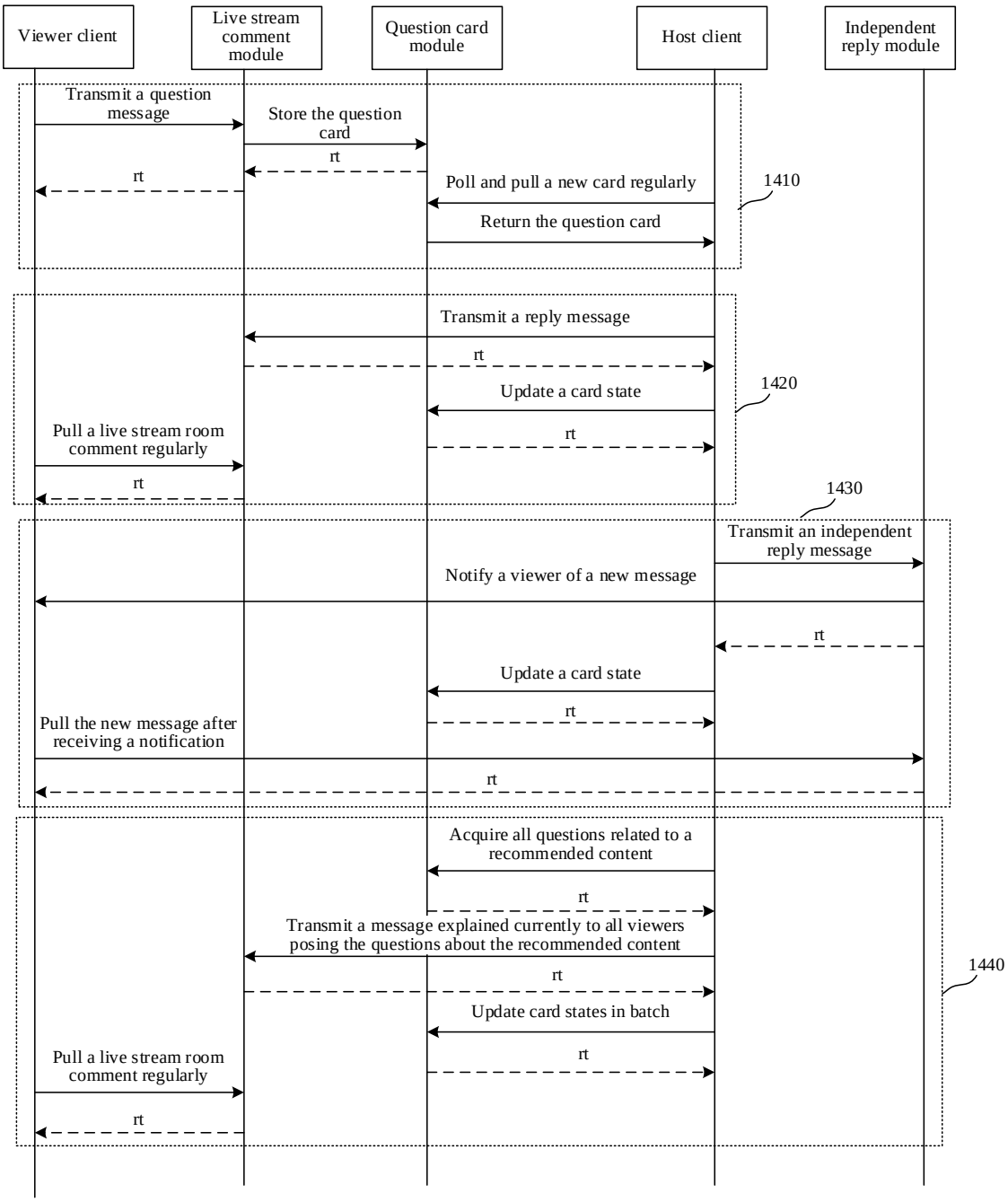

Viewer client
Live stream comment module
Question card module
Host client
Independent reply module
Transmit a question message
Store the question card
rt
rt
Poll and pull a new card regularly
1410
Return the question card
Transmit a reply message
rt
Update a card state
1420
Pull a live stream room comment regularly
rt
rt
1430
Transmit an independent reply message
Notify a viewer of a new message
rt
Update a card state
rt
Pull the new message after receiving a notification
rt
Acquire all questions related to a recommended content
rt
Transmit a message explained currently to all viewers posing the questions about the recommended content
rt
1440
Update card states in batch
rt
Pull a live stream room comment regularly
rt

FIG. 14

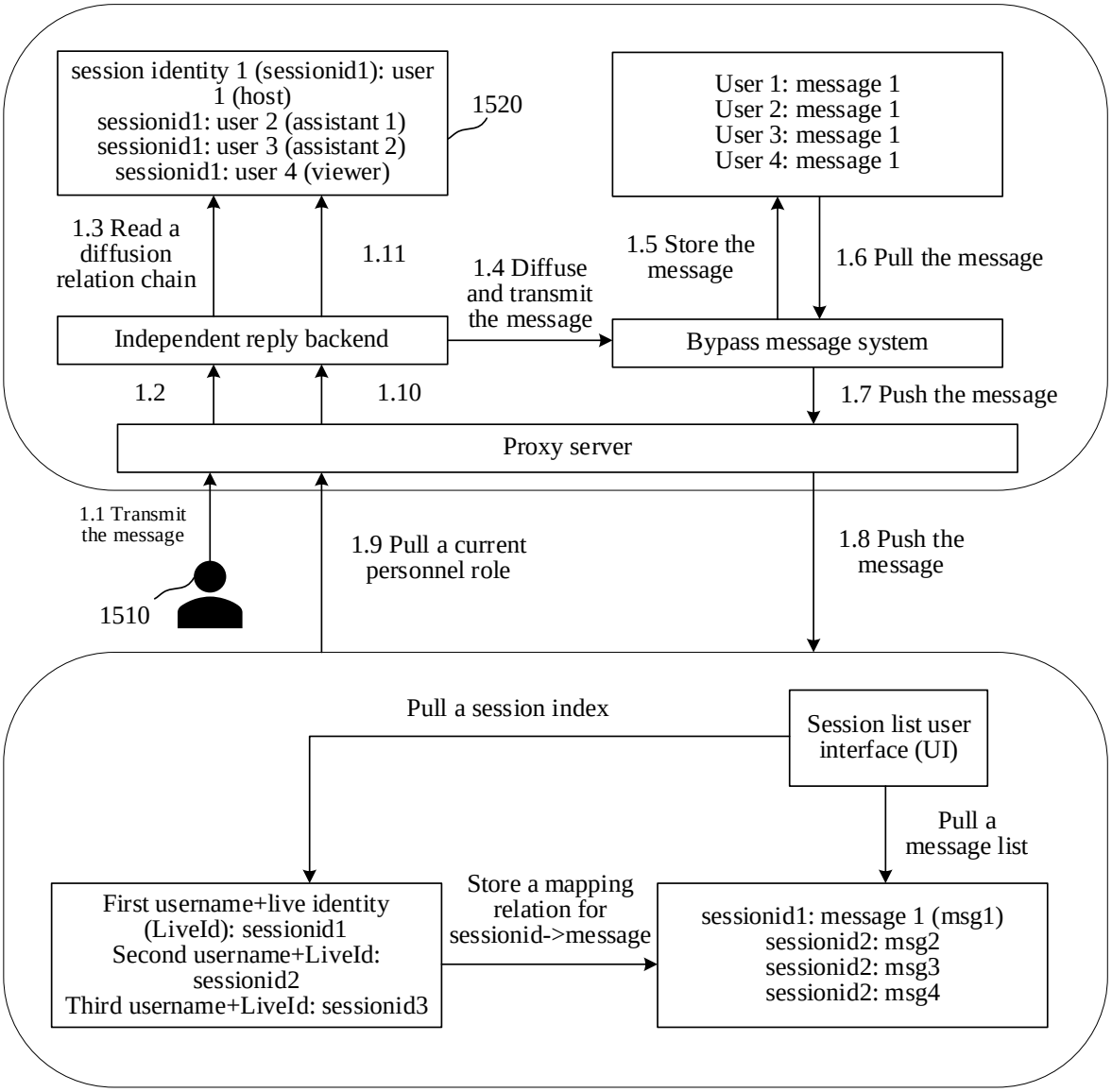

session identity 1 (sessionid1): user 1 (host)
sessionid1: user 2 (assistant 1)
sessionid1: user 3 (assistant 2)
sessionid1: user 4 (viewer)
1520
User 1: message 1
User 2: message 1
User 3: message 1
User 4: message 1
1.3 Read a diffusion relation chain
1.11
1.4 Diffuse and transmit the message
1.5 Store the message
1.6 Pull the message
Independent reply backend
Bypass message system
1.2
1.10
1.7 Push the message
Proxy server
1.1 Transmit the message
1.9 Pull a current personnel role
1.8 Push the message
1510
Pull a session index
Session list user interface (UI)
Pull a message list
First username+live identity (LiveId): sessionid1
Second username+LiveId: sessionid2
Third username+LiveId: sessionid3
Store a mapping relation for sessionid->message
sessionid1: message 1 (msg1)
sessionid2: msg2
sessionid2: msg3
sessionid2: msg4

FIG. 15

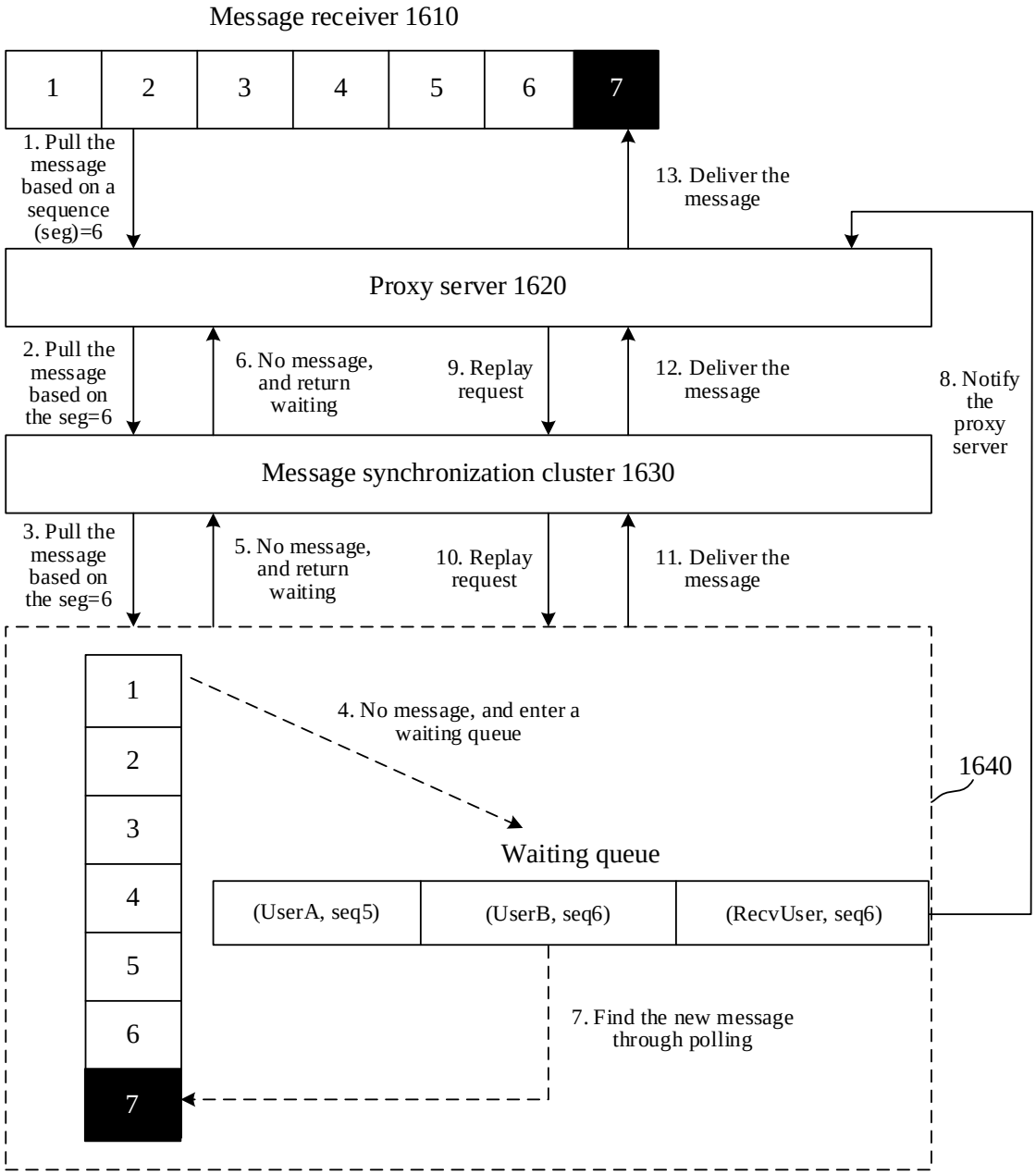


FIG. 16

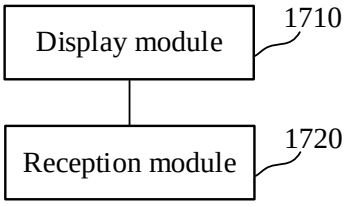


FIG. 17

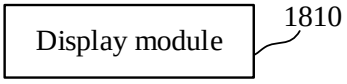


FIG. 18

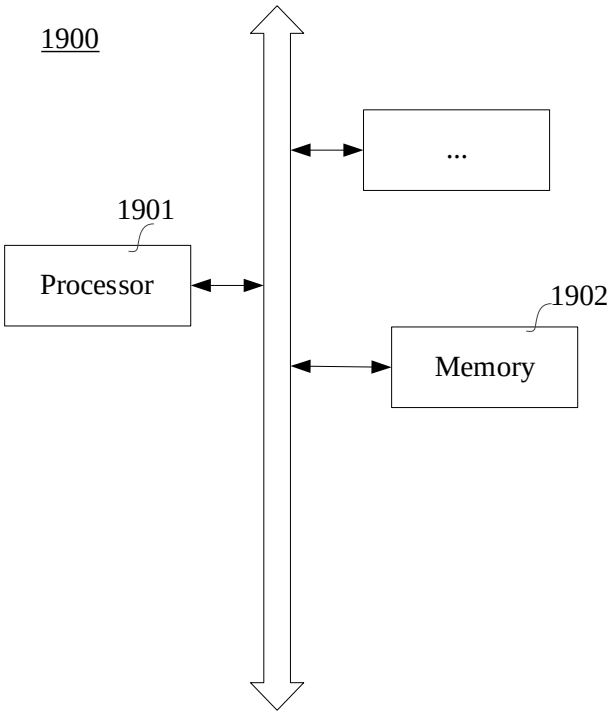


FIG. 19