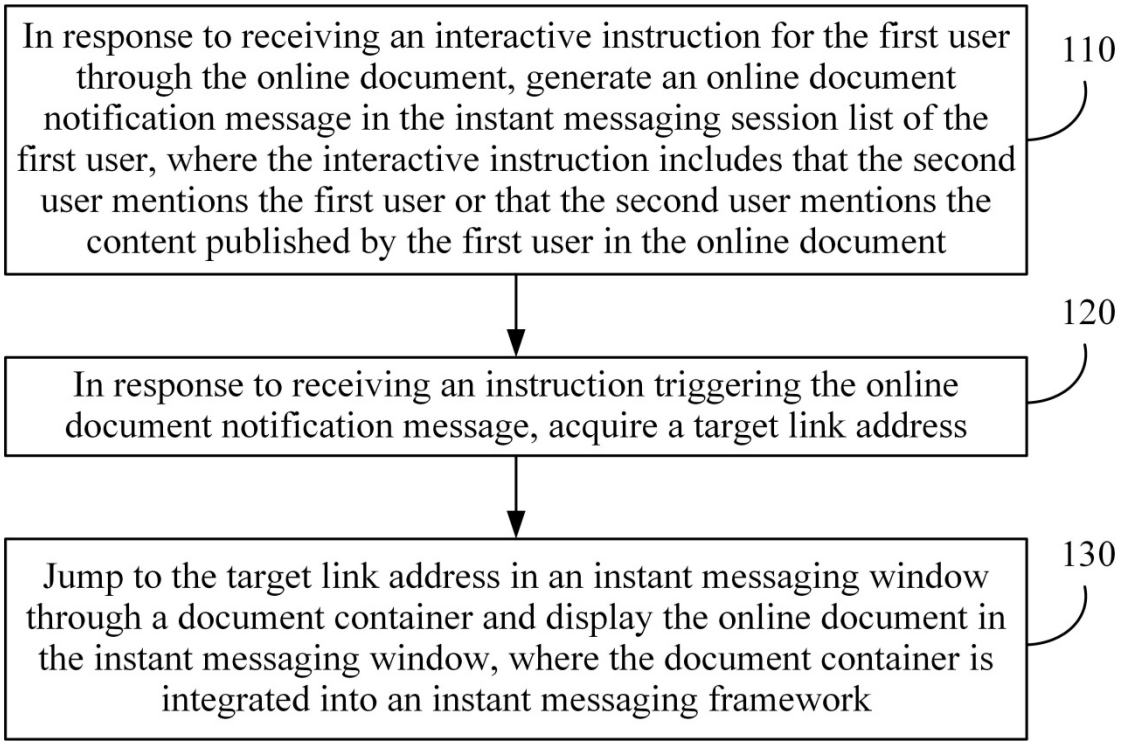
In response to receiving an interactive instruction for the first user through the online document, generate an online document notification message in the instant messaging session list of the first user, where the interactive instruction includes that the second user mentions the first user or that the second user mentions the content published by the first user in the online document
110
In response to receiving an instruction triggering the online document notification message, acquire a target link address
120
Jump to the target link address in an instant messaging window through a document container and display the online document in the instant messaging window, where the document container is integrated into an instant messaging framework
130

FIG. 1

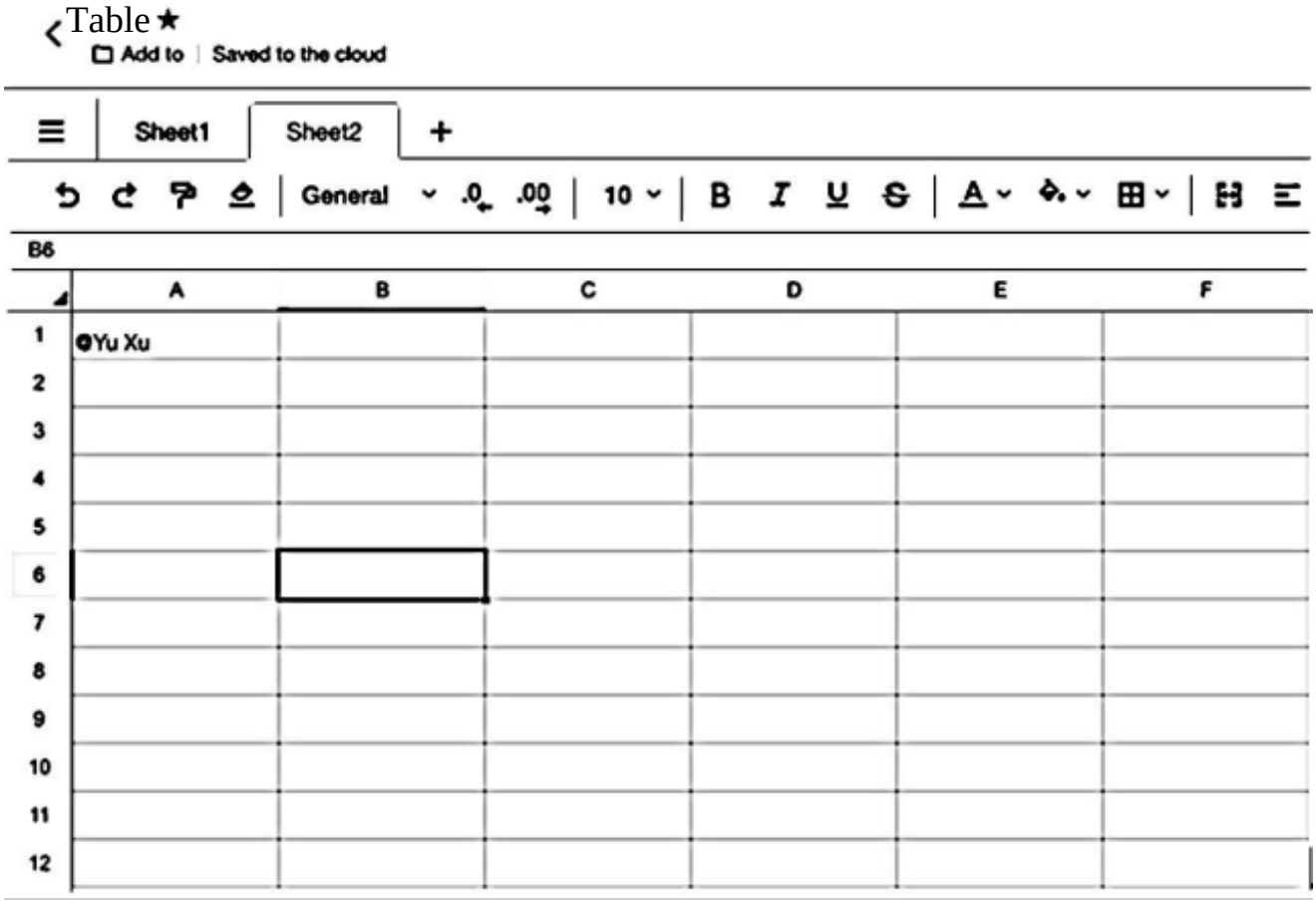
Table
Add to
Saved to the cloud
Sheet1
Sheet2
General
10
B6
A
B
C
D
E
F
Yu Xu

FIG. 2

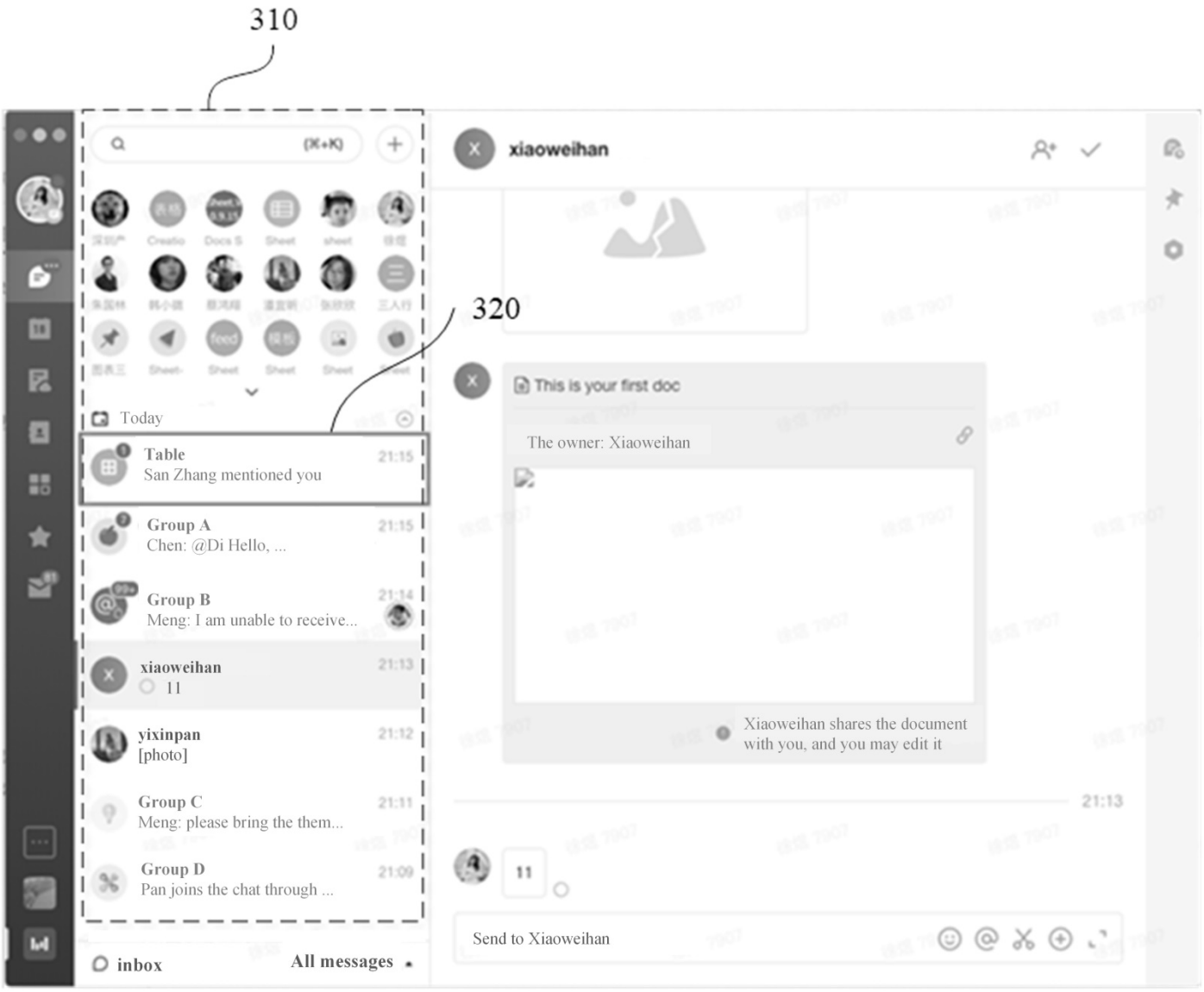
310
320
(⌘+K)
Today
Table
San Zhang mentioned you
21:15
Group A
Chen: @Di Hello, ...
21:15
Group B
Meng: I am unable to receive...
21:14
xiaoweihan
11
21:13
yixinpan
[photo]
21:12
Group C
Meng: please bring the them...
21:11
Group D
Pan joins the chat through ...
21:09
inbox
All messages
xiaoweihan
This is your first doc
The owner: Xiaoweihan
Xiaoweihan shares the document with you, and you may edit it
21:13
11
Send to Xiaoweihan

FIG. 3

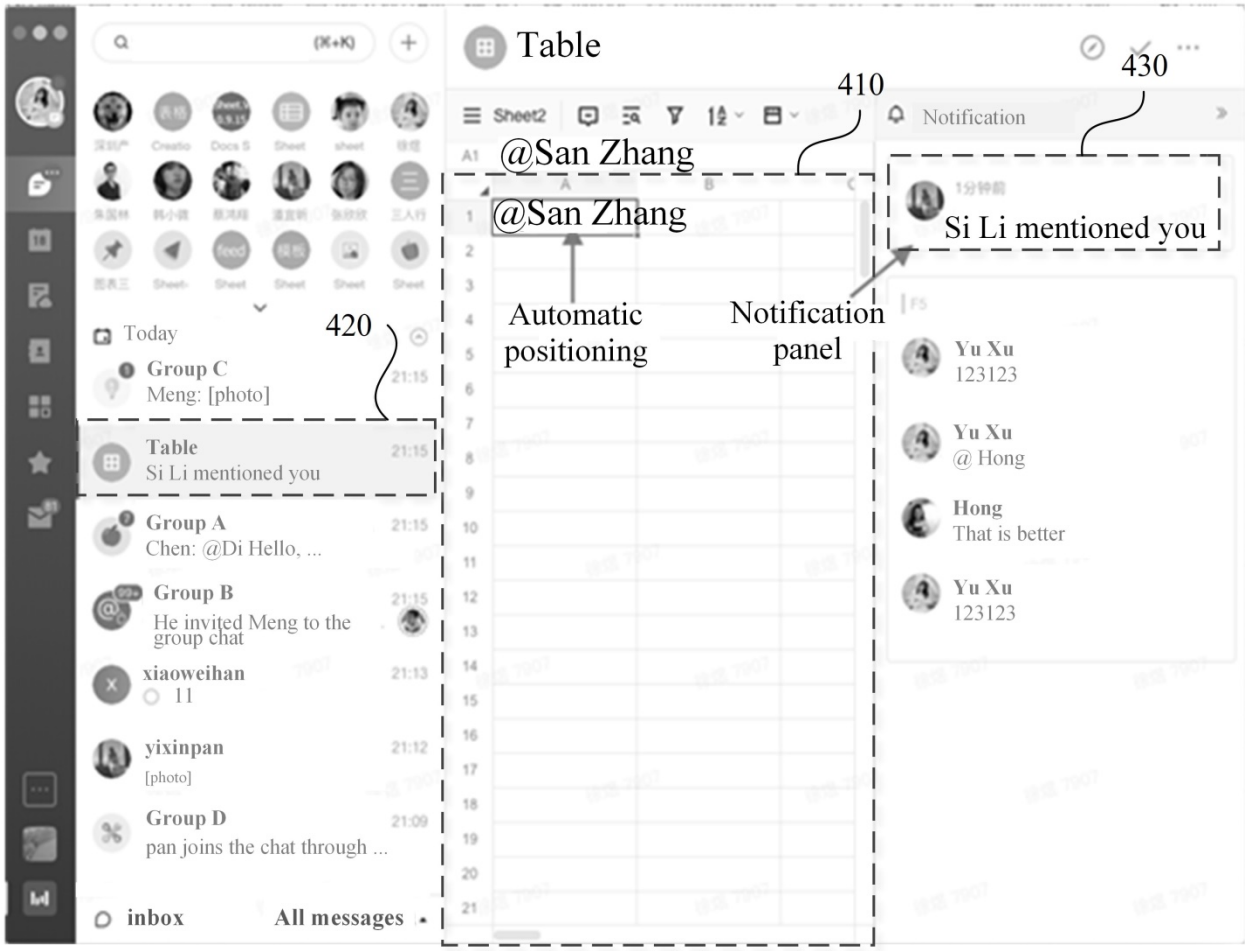
Table
410
430
Sheet2
Notification
@San Zhang
@San Zhang
Si Li mentioned you
Automatic positioning
Notification panel
420
Today
Group C
Meng: [photo]
Table
Si Li mentioned you
Group A
Chen: @Di Hello, ...
Group B
He invited Meng to the group chat
xiaoweihan
11
yixinpan
[photo]
Group D
pan joins the chat through ...
inbox
All messages
Yu Xu
123123
Yu Xu
@ Hong
Hong
That is better
Yu Xu
123123

FIG. 4

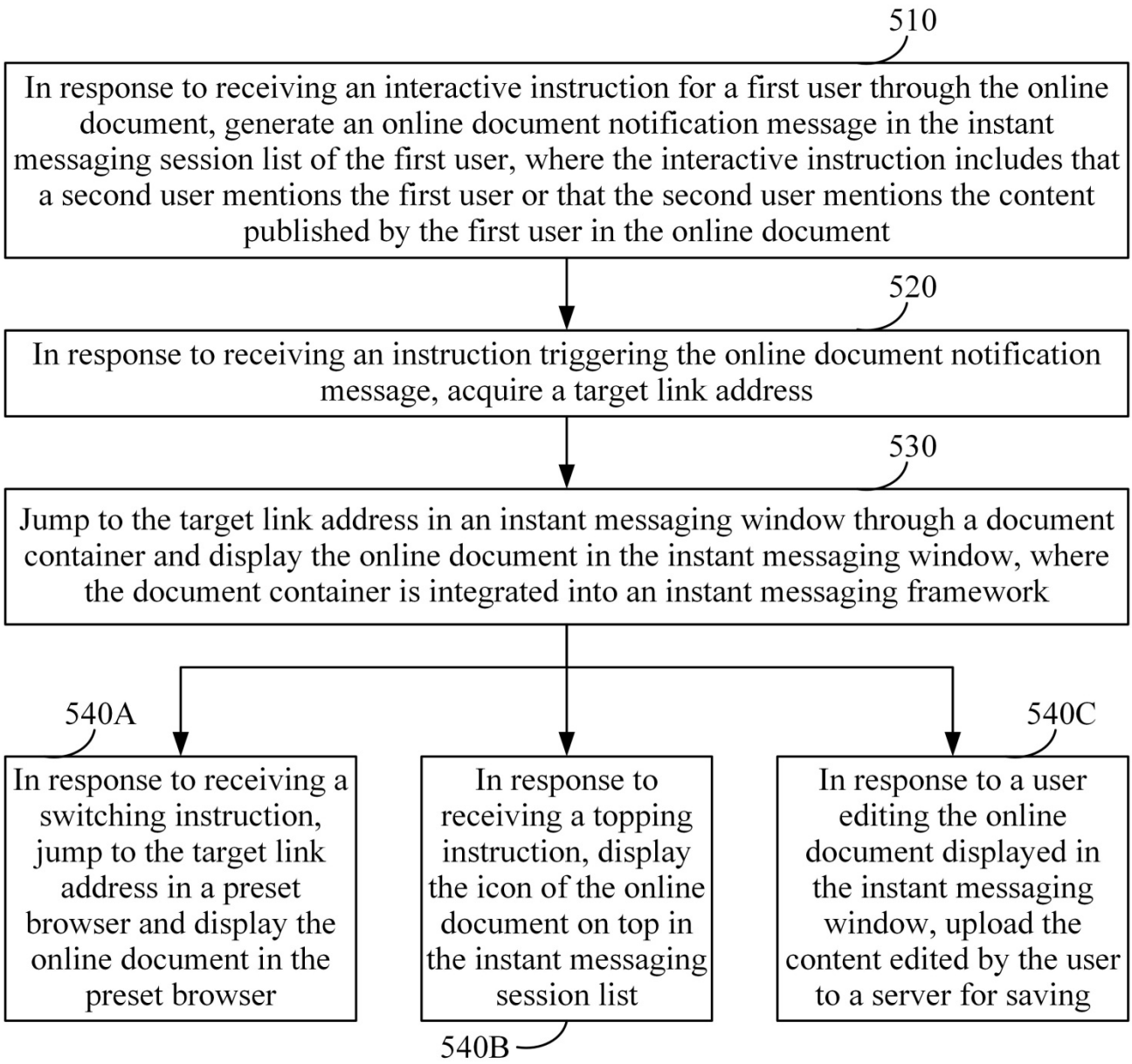
510
In response to receiving an interactive instruction for a first user through the online document, generate an online document notification message in the instant messaging session list of the first user, where the interactive instruction includes that a second user mentions the first user or that the second user mentions the content published by the first user in the online document
520
In response to receiving an instruction triggering the online document notification message, acquire a target link address
530
Jump to the target link address in an instant messaging window through a document container and display the online document in the instant messaging window, where the document container is integrated into an instant messaging framework
540A
In response to receiving a switching instruction, jump to the target link address in a preset browser and display the online document in the preset browser
In response to receiving a topping instruction, display the icon of the online document on top in the instant messaging session list
540B
540C
In response to a user editing the online document displayed in the instant messaging window, upload the content edited by the user to a server for saving

FIG. 5

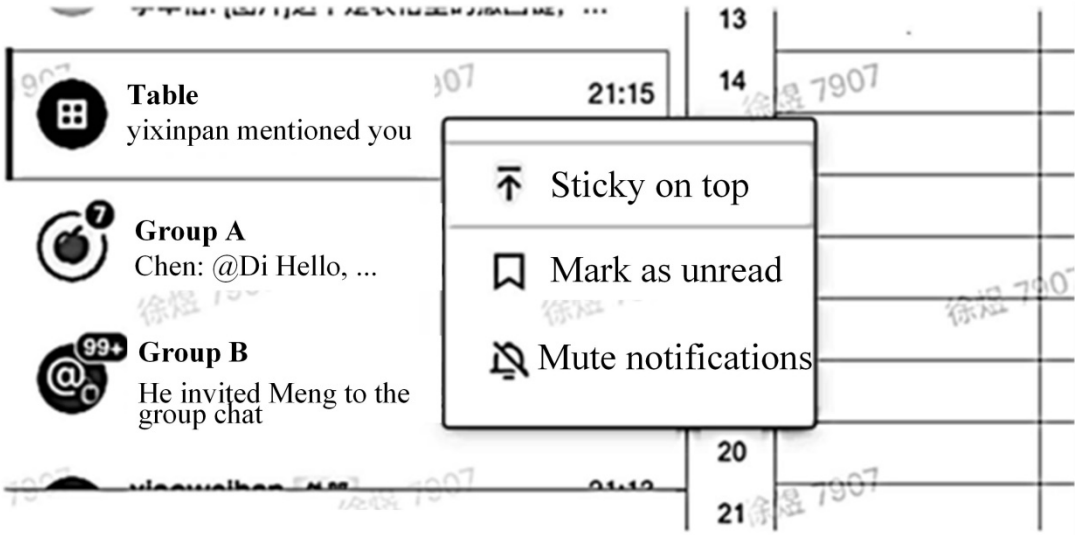
Table
yixinpan mentioned you
21:15
Group A
Chen: @Di Hello, ...
Group B
He invited Meng to the group chat
Sticky on top
Mark as unread
Mute notifications
13
14
20
21

FIG. 6

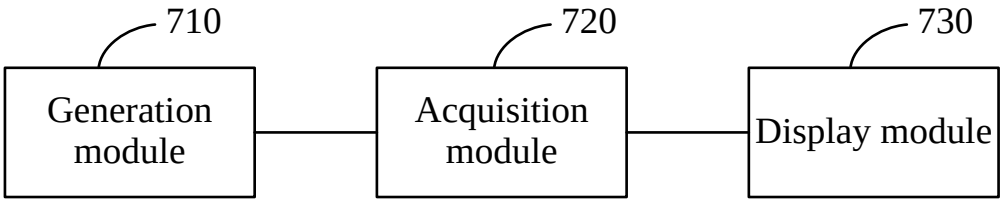
710
Generation module
720
Acquisition module
730
Display module

FIG. 7

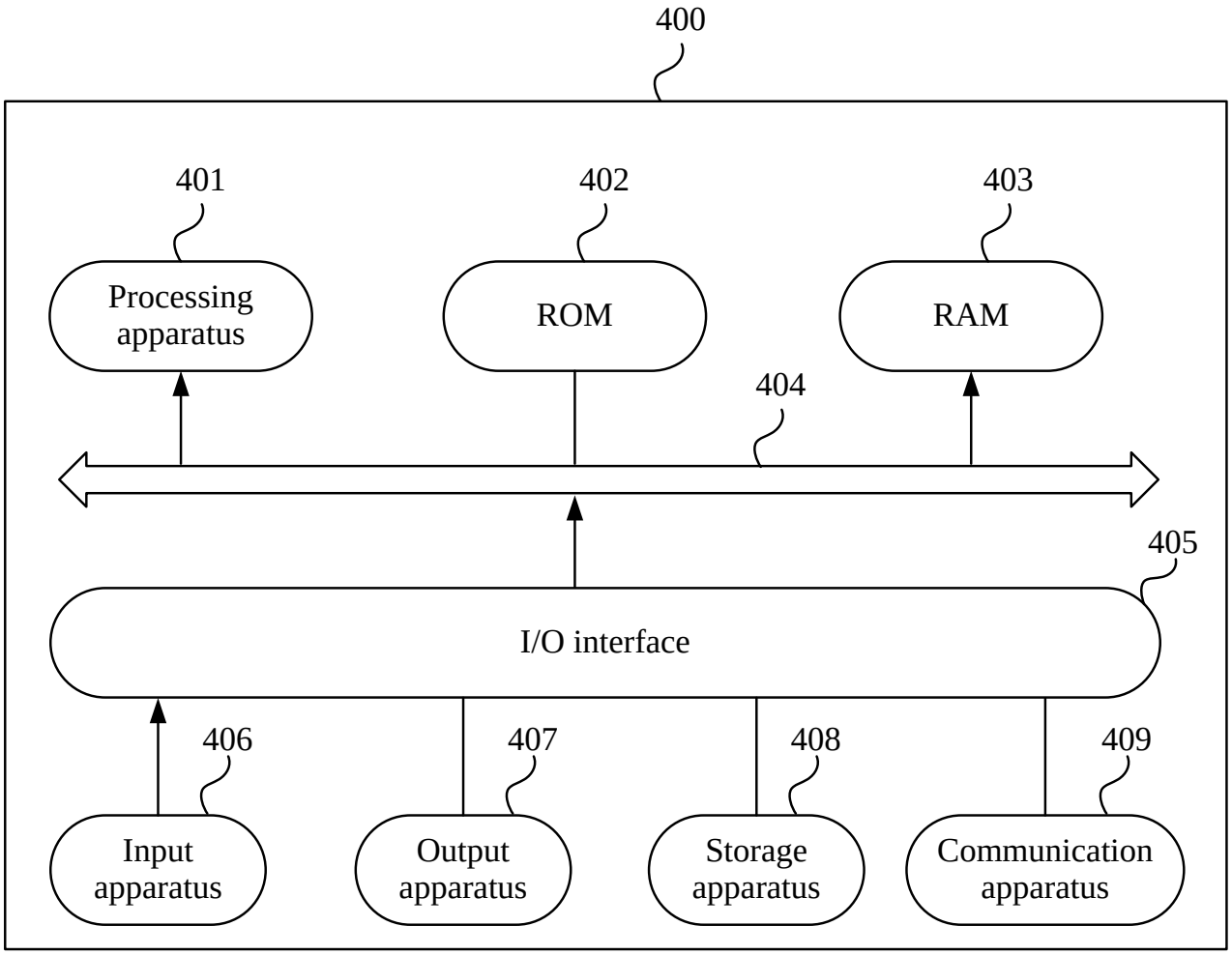
400
401
402
403
Processing apparatus
ROM
RAM
404
405
I/O interface
406
407
408
409
Input apparatus
Output apparatus
Storage apparatus
Communication apparatus

FIG. 8