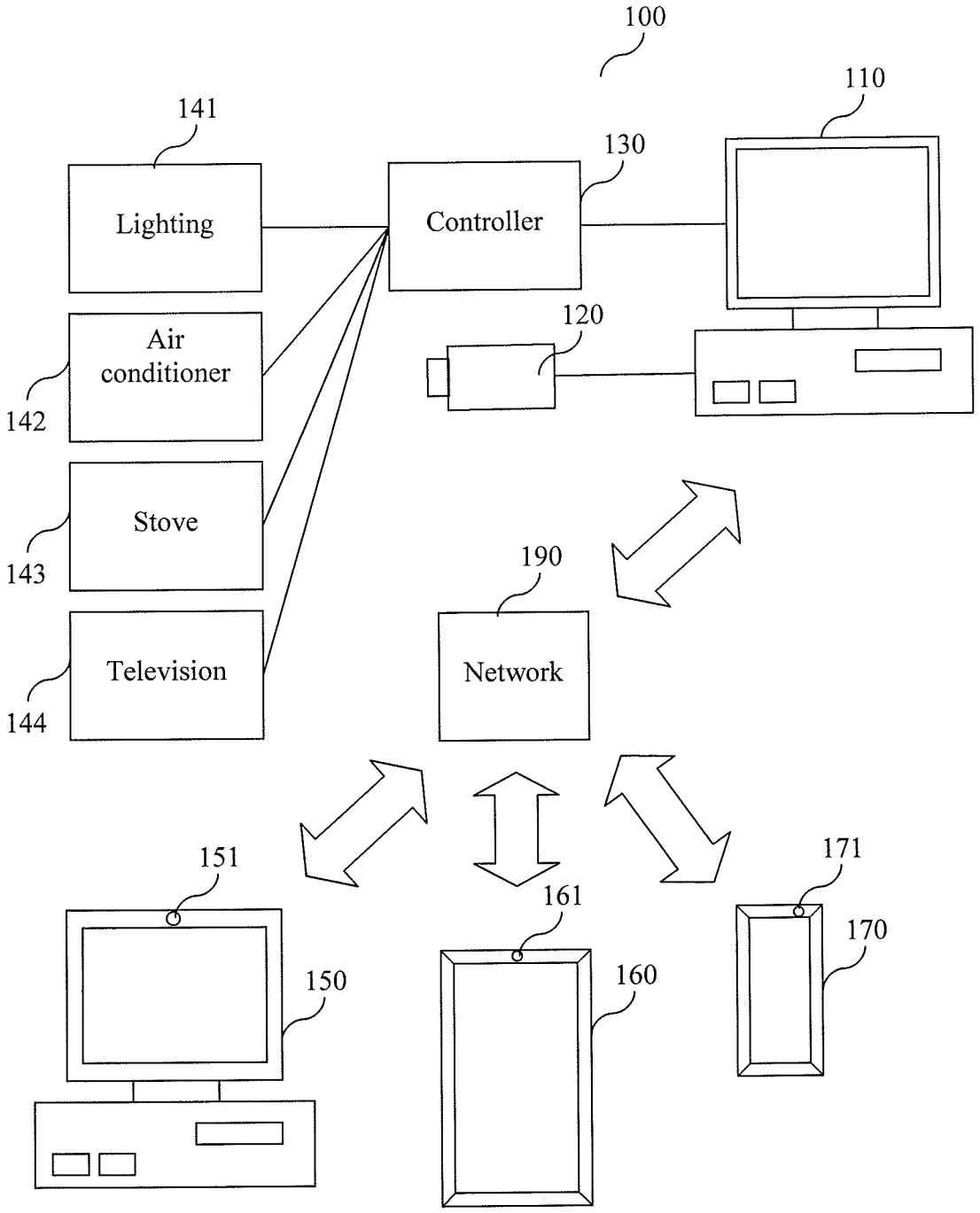

100
110
141
130
Lighting
Controller
120
Air conditioner
142
Stove
143
190
Television
144
Network
151
171
161
170
150
160

Figure 1

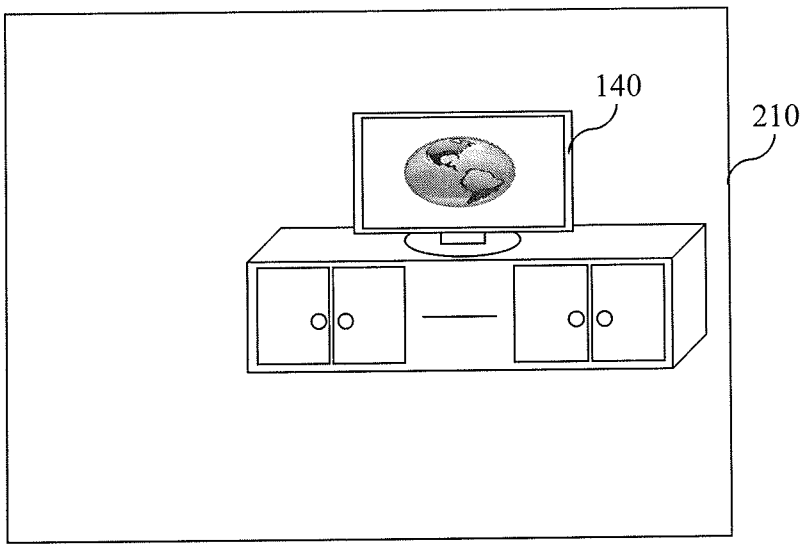


Figure 2a

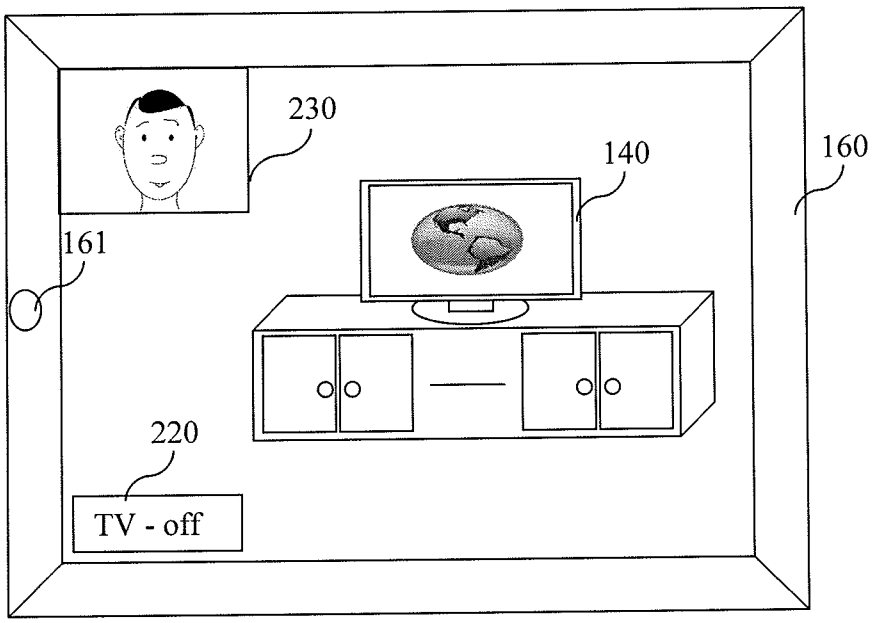


Figure 2b

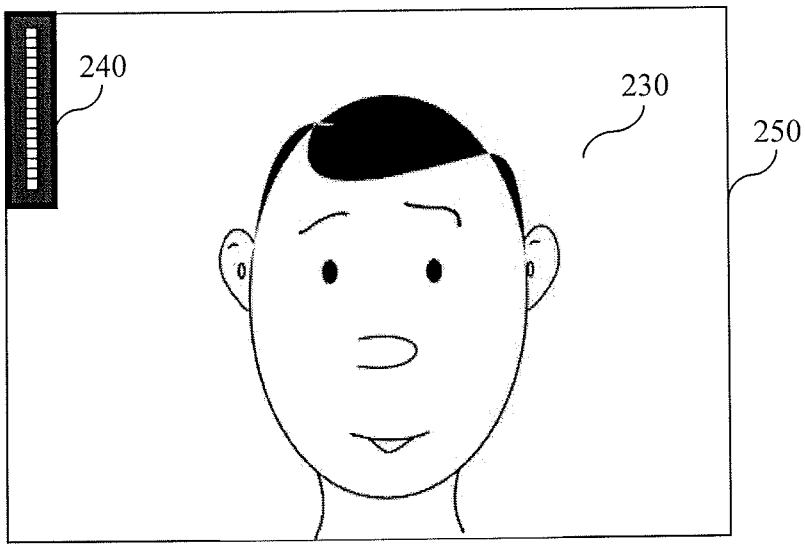


Figure 2c

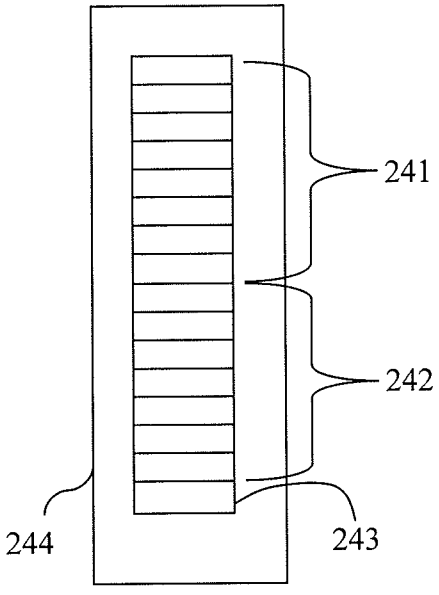


Figure 3

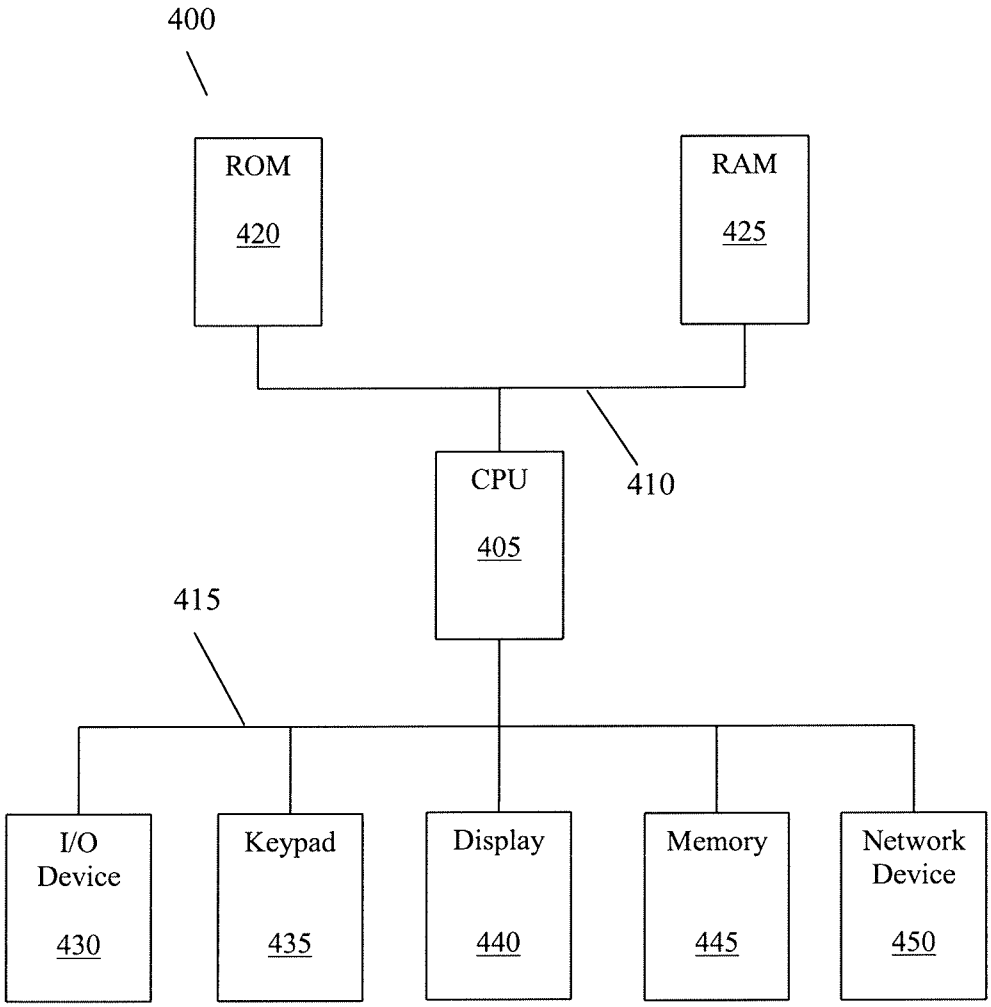

400
ROM
420
RAM
425
CPU
405
410
415
I/O
Device
430
Keypad
435
Display
440
Memory
445
Network
Device
450

Figure 4

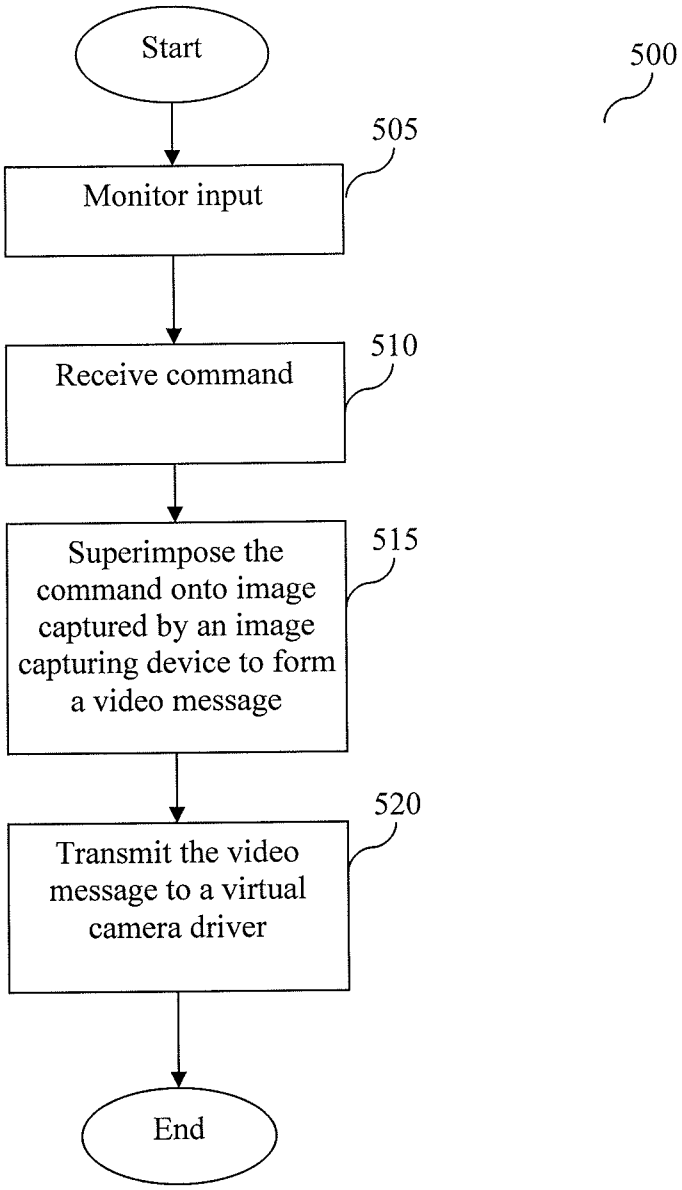

Start
500
505
Monitor input
510
Receive command
515
Superimpose the command onto image captured by an image capturing device to form a video message
520
Transmit the video message to a virtual camera driver
End

Figure 5

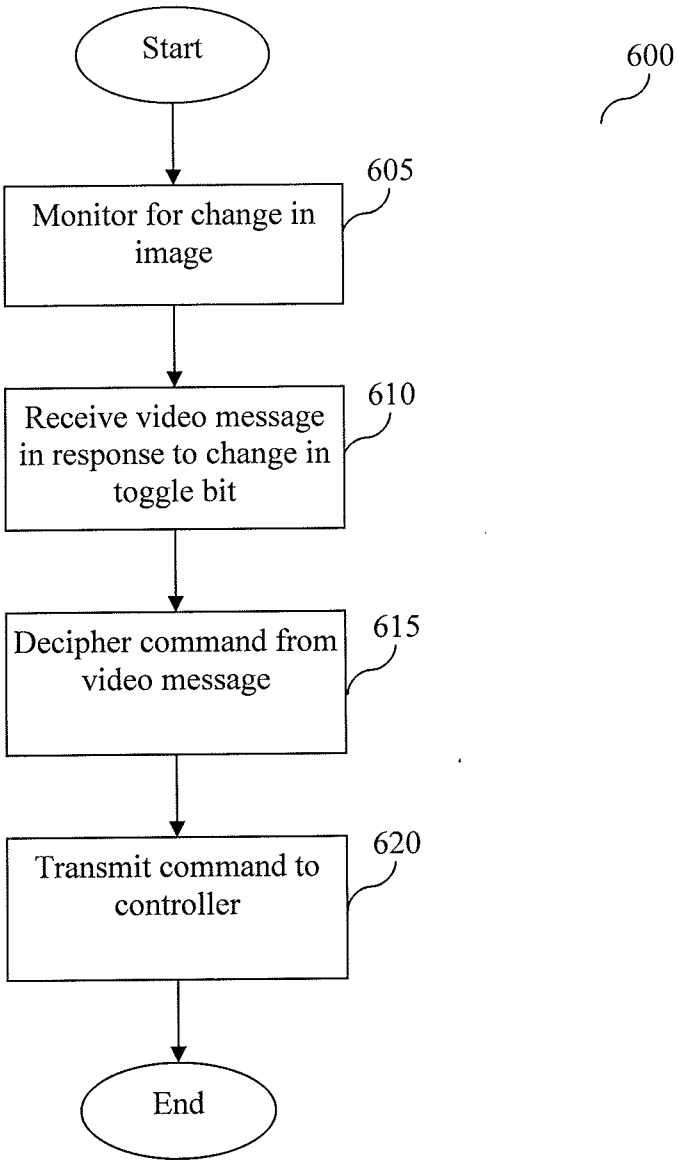

Start
600
605
Monitor for change in image
610
Receive video message in response to change in toggle bit
615
Decipher command from video message
620
Transmit command to controller
End

Figure 6

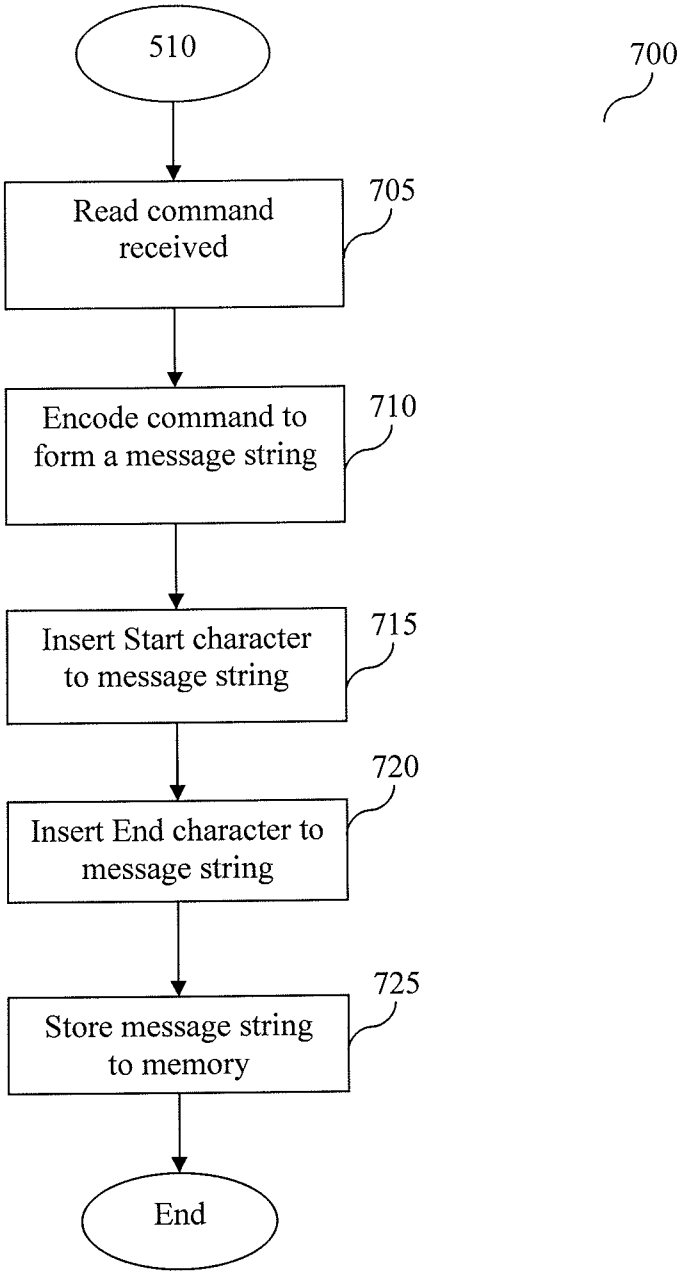

510
700
Read command received
705
Encode command to form a message string
710
Insert Start character to message string
715
Insert End character to message string
720
Store message string to memory
725
End

Figure 7

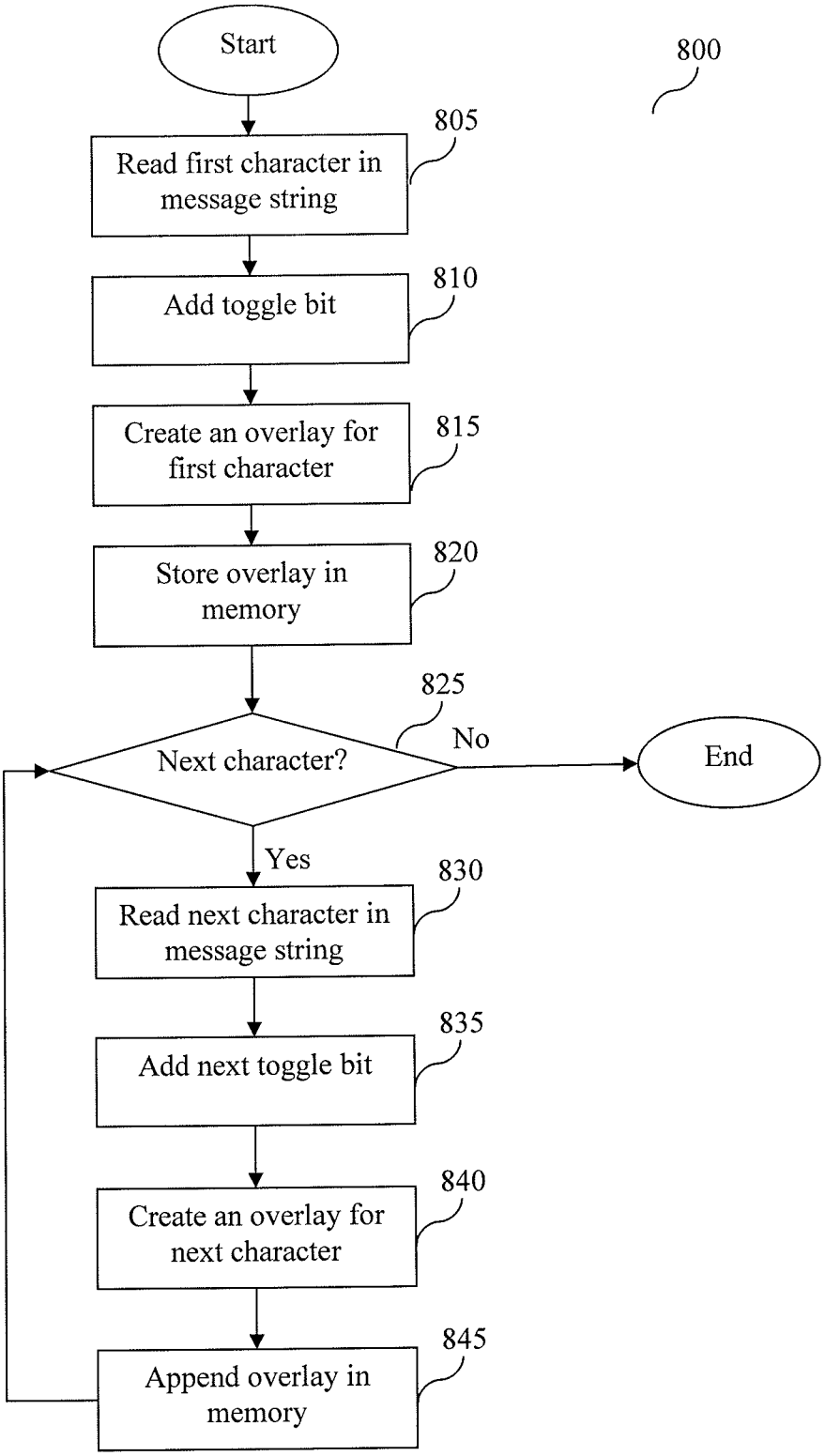

Start
800
805
Read first character in message string
810
Add toggle bit
815
Create an overlay for first character
820
Store overlay in memory
825
Next character?
No
End
Yes
830
Read next character in message string
835
Add next toggle bit
840
Create an overlay for next character
845
Append overlay in memory

Figure 8

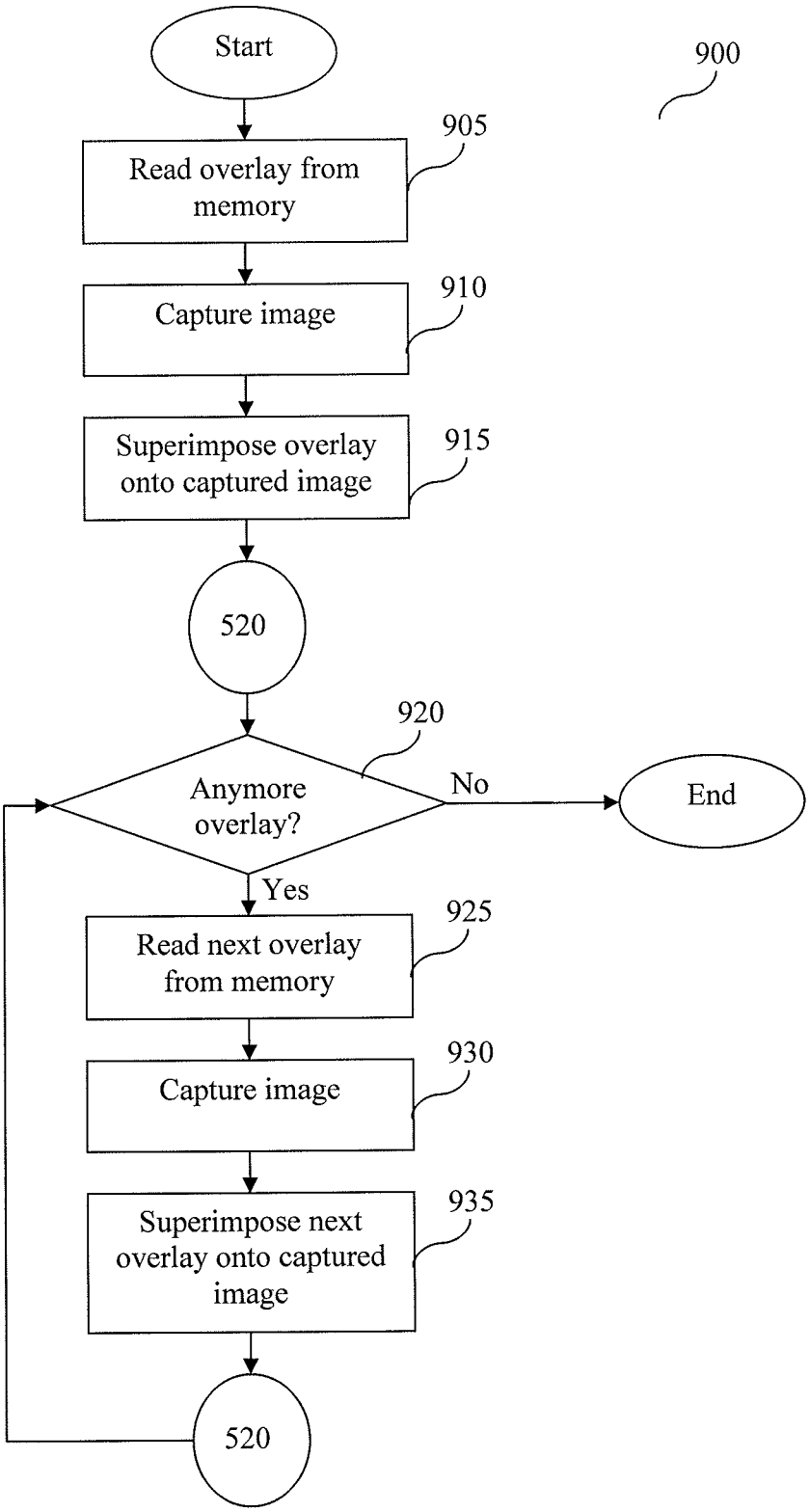

Start
900
905
Read overlay from memory
910
Capture image
915
Superimpose overlay onto captured image
520
920
Anymore overlay?
No
End
Yes
925
Read next overlay from memory
930
Capture image
935
Superimpose next overlay onto captured image
520

Figure 9

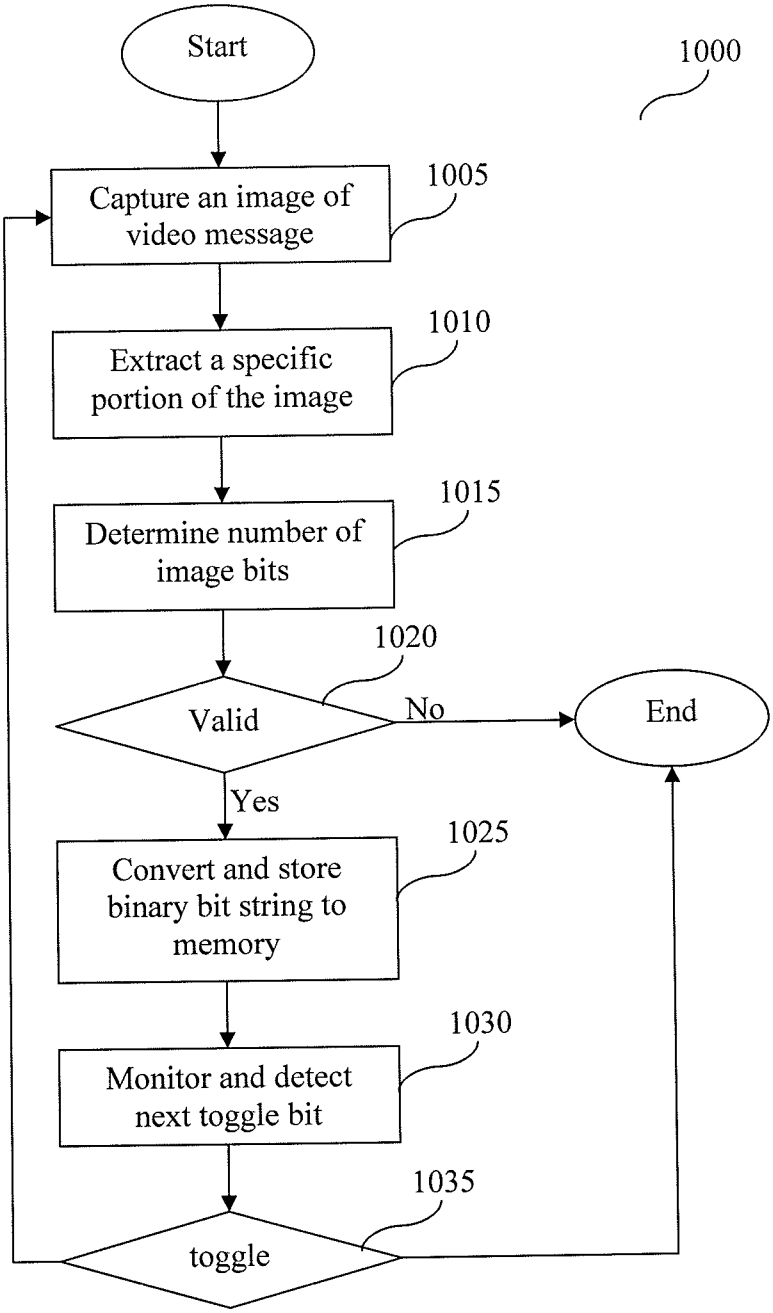

Start
1000
Capture an image of video message
1005
Extract a specific portion of the image
1010
Determine number of image bits
1015
Valid
1020
No
End
Yes
Convert and store binary bit string to memory
1025
Monitor and detect next toggle bit
1030
toggle
1035

Figure 10

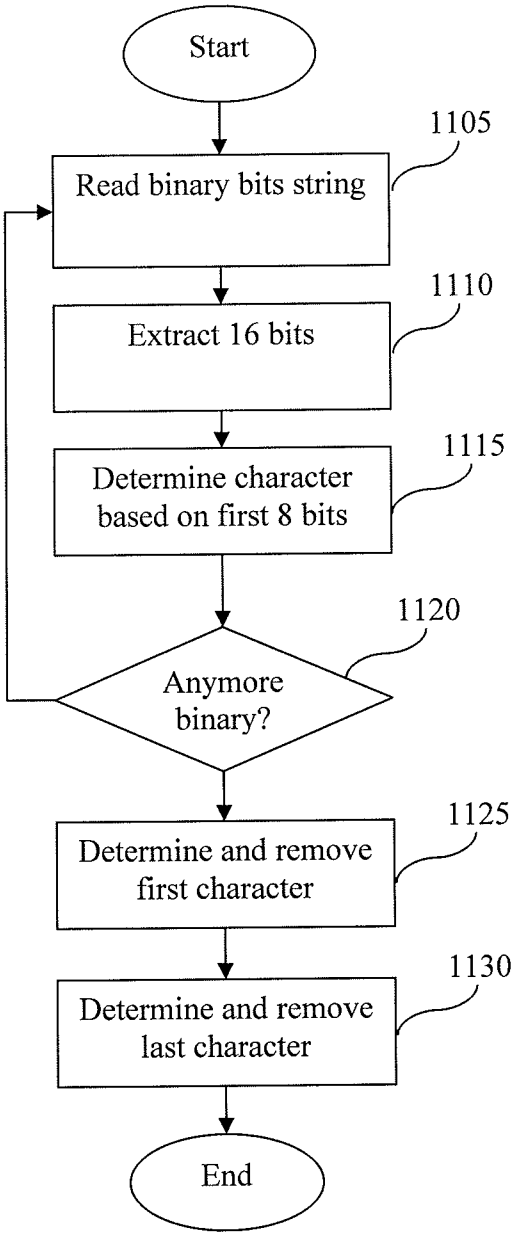

Start
1100
1105
Read binary bits string
1110
Extract 16 bits
1115
Determine character based on first 8 bits
1120
Anymore binary?
1125
Determine and remove first character
1130
Determine and remove last character
End

Figure 11

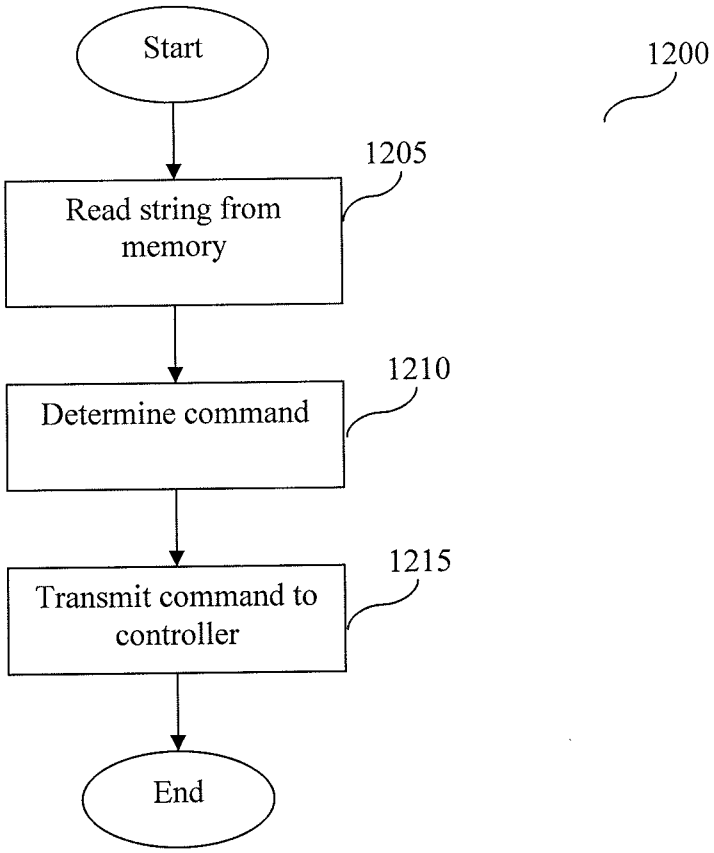

Start
1200
1205
Read string from memory
1210
Determine command
1215
Transmit command to controller
End

Figure 12