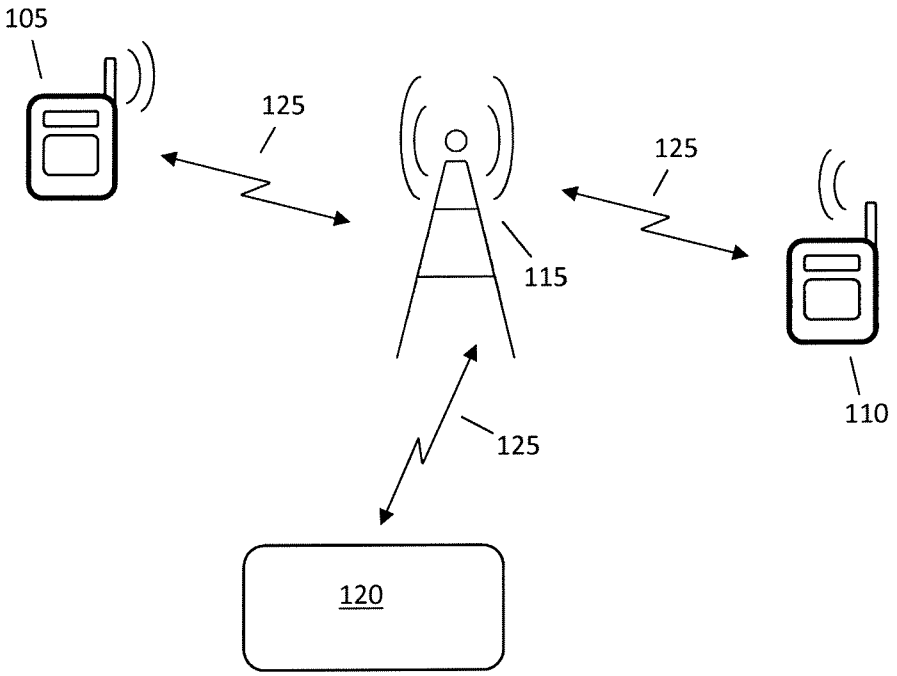

FIGURE 1

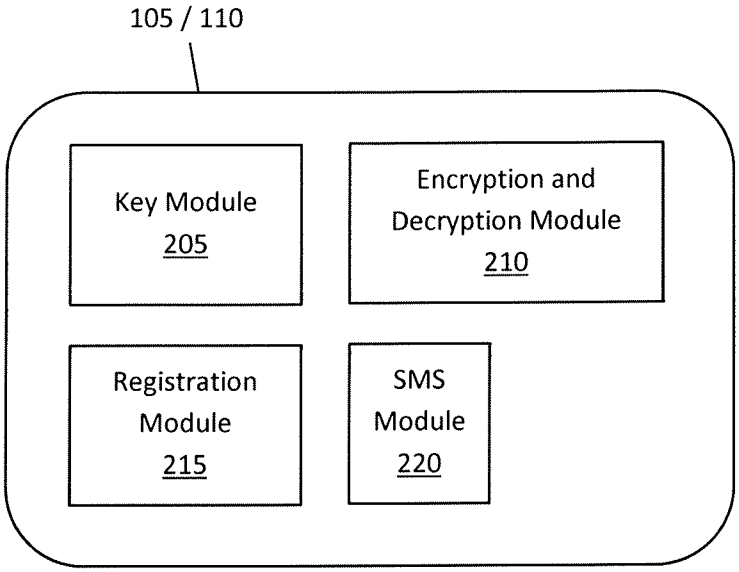
105 / 110
Key Module
205
Encryption and
Decryption Module
210
Registration
Module
215
SMS
Module
220

FIGURE 2

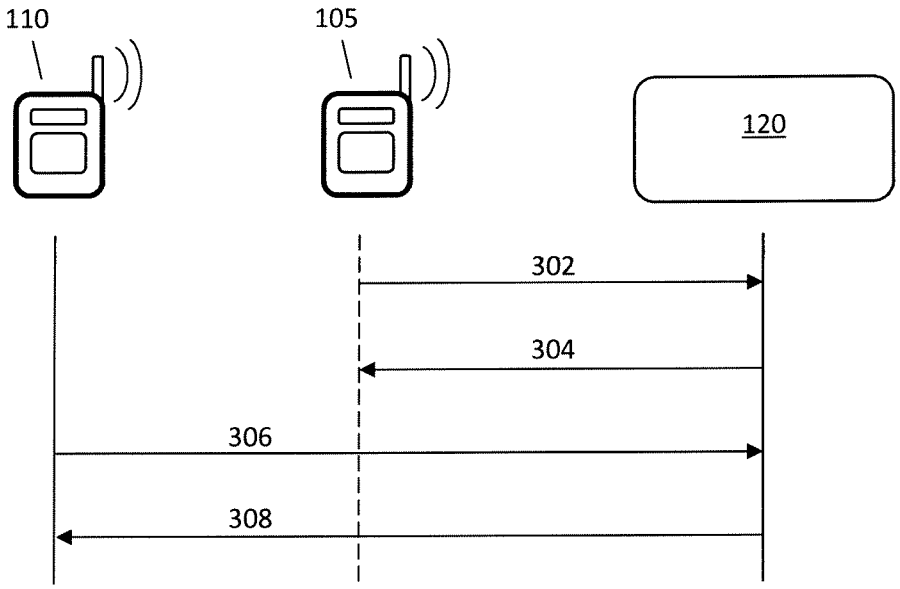

FIGURE 3

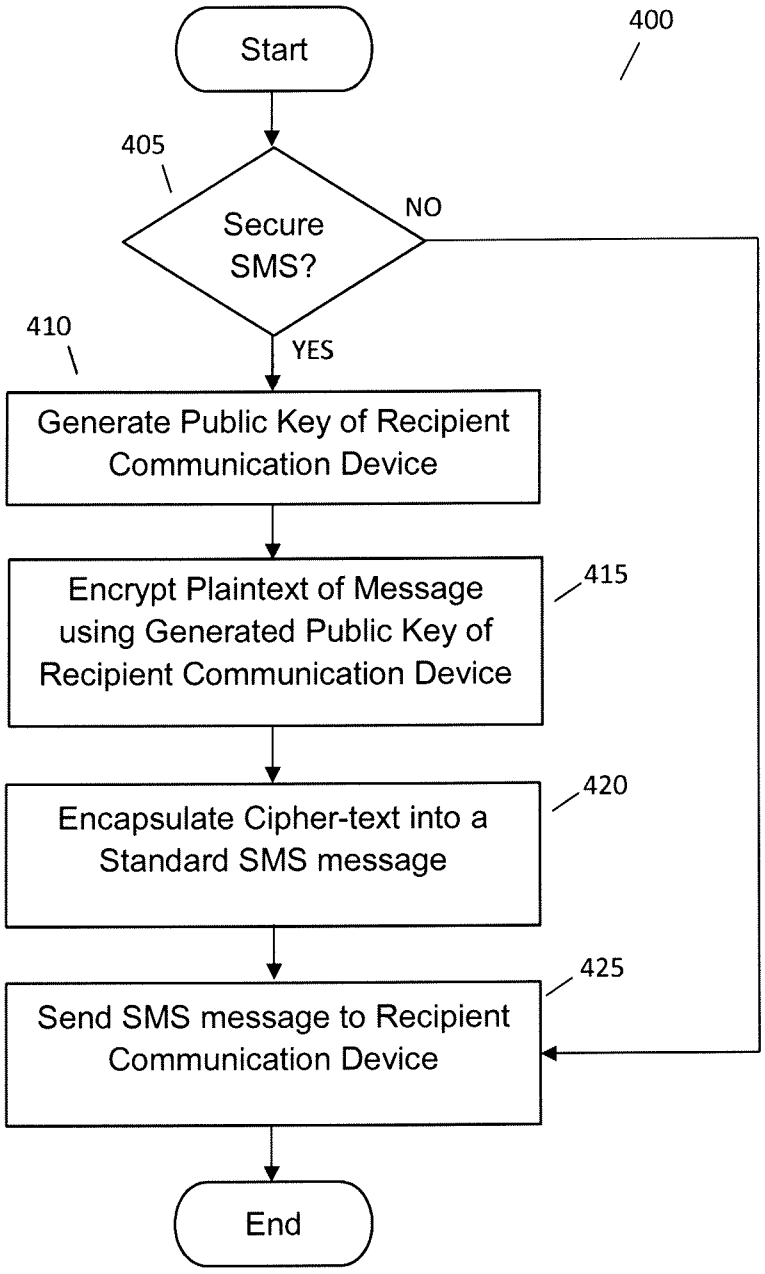
Start
400
405
Secure SMS?
NO
YES
410
Generate Public Key of Recipient Communication Device
Encrypt Plaintext of Message using Generated Public Key of Recipient Communication Device
415
Encapsulate Cipher-text into a Standard SMS message
420
Send SMS message to Recipient Communication Device
425
End

FIGURE 4

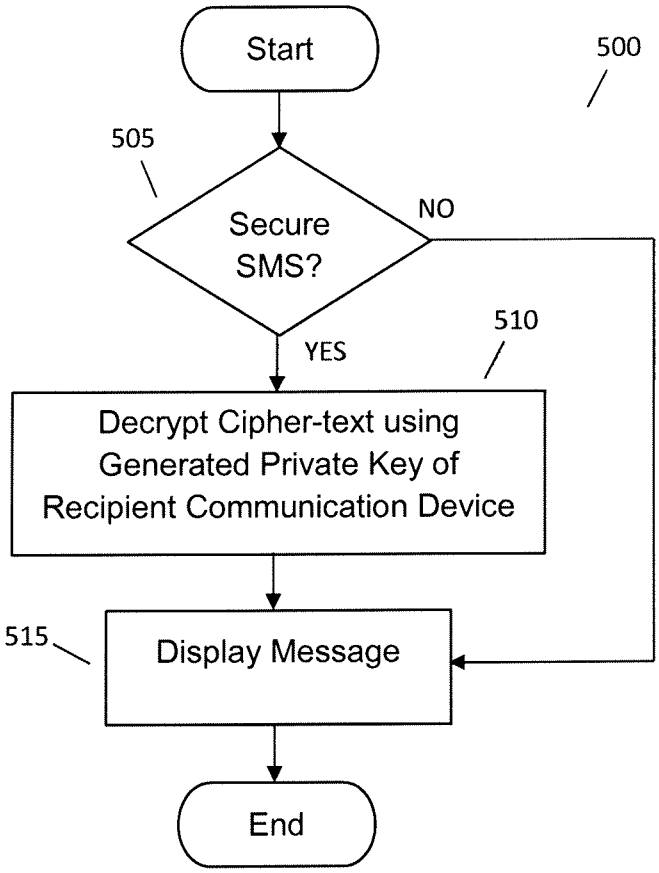
Start
500
505
Secure SMS?
NO
YES
510
Decrypt Cipher-text using Generated Private Key of Recipient Communication Device
515
Display Message
End

FIGURE 5

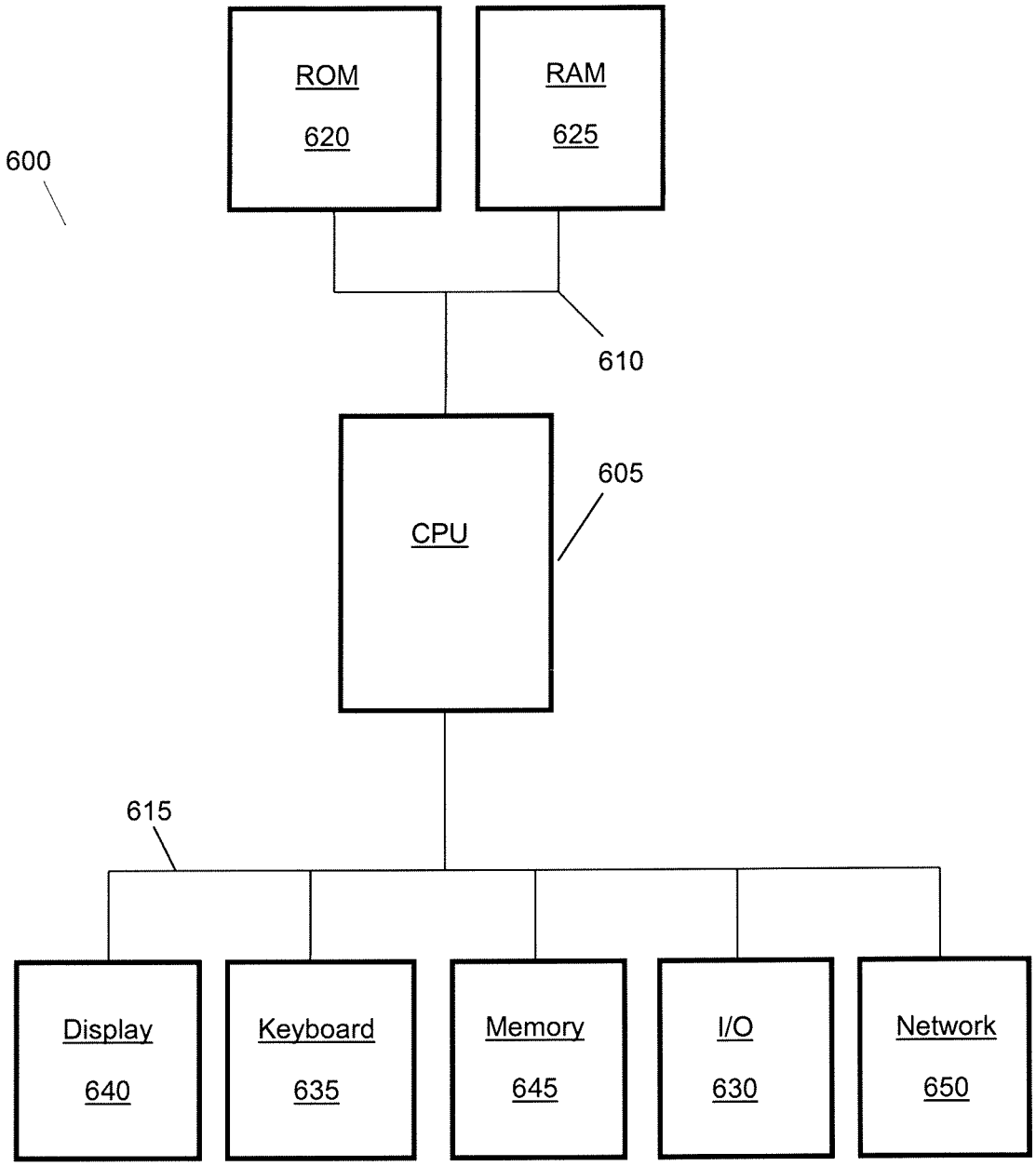
600
ROM
620
RAM
625
610
CPU
605
615
Display
640
Keyboard
635
Memory
645
I/O
630
Network
650

FIGURE 6