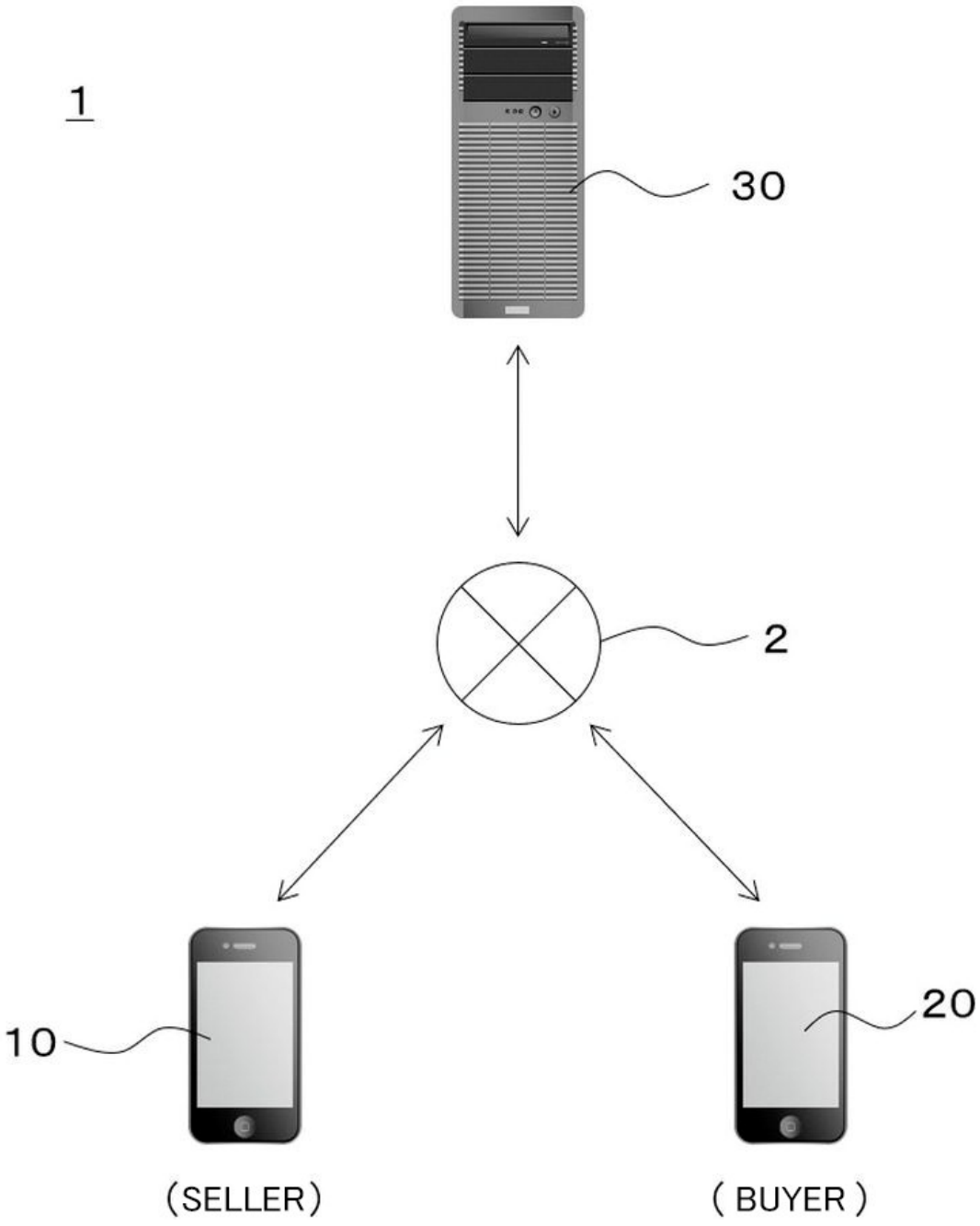


FIG. 1

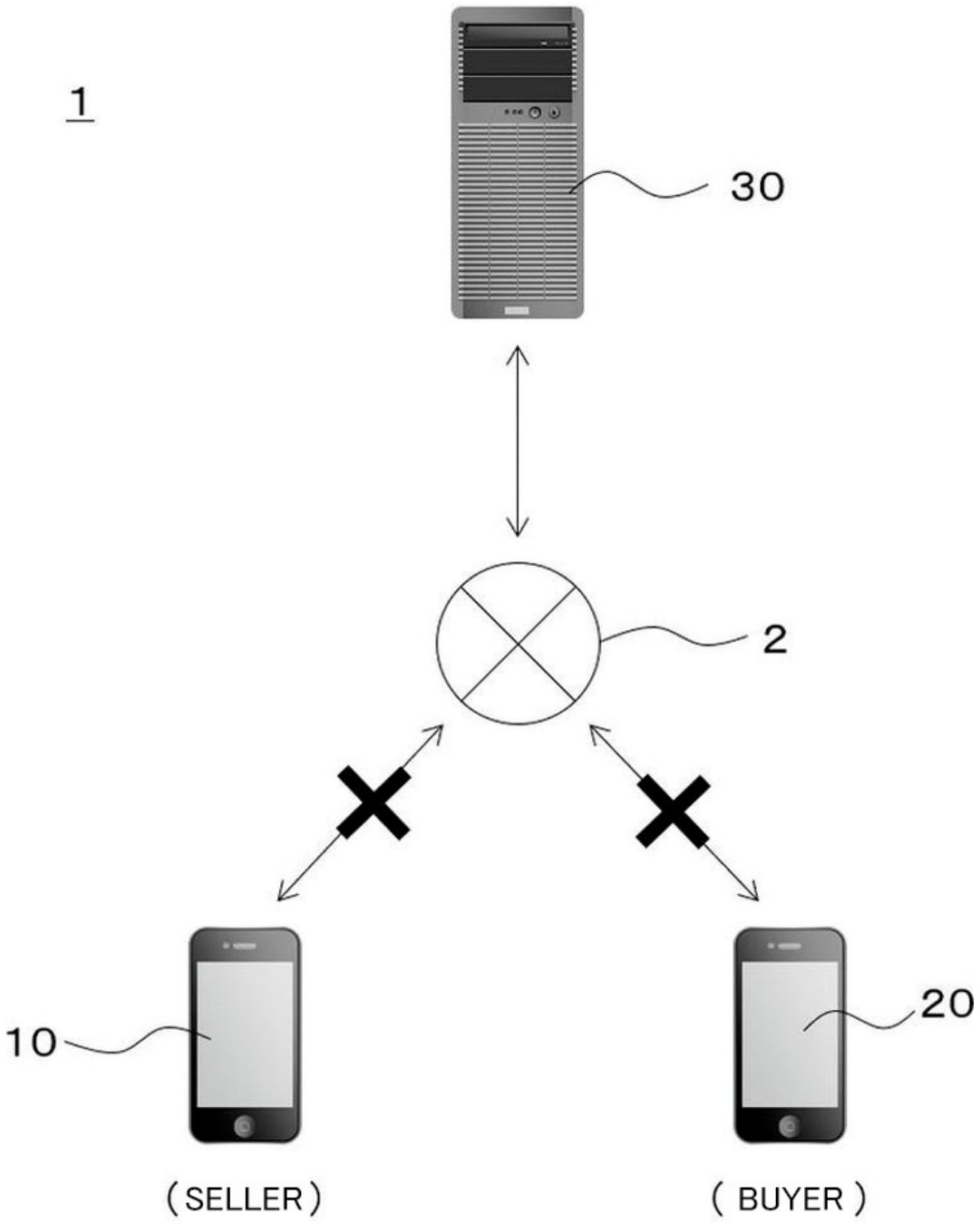


FIG. 2

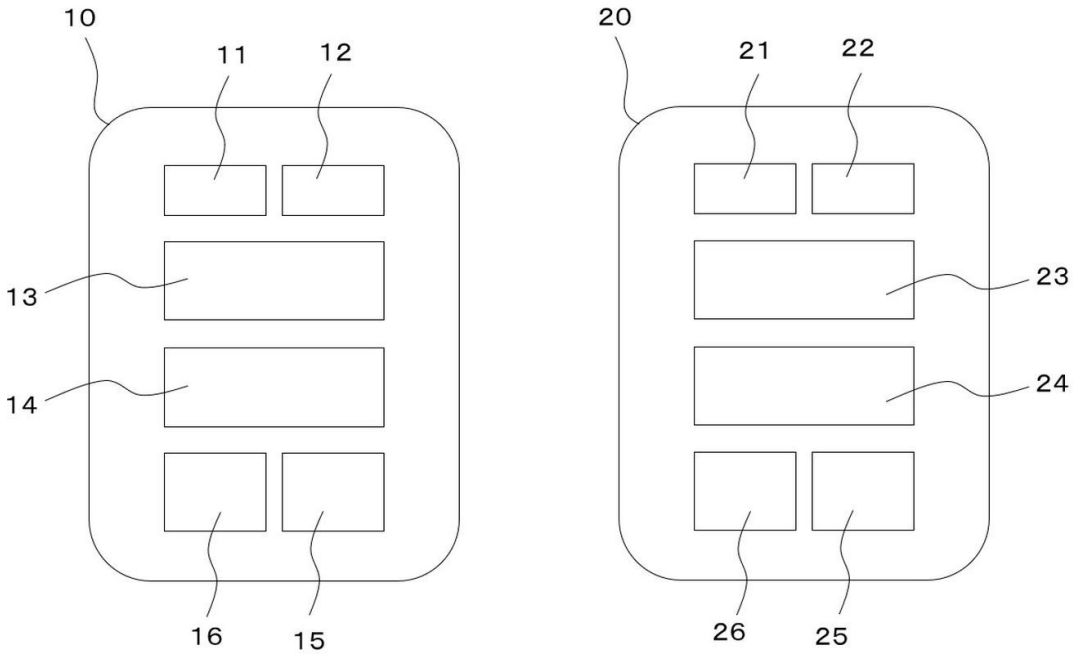


FIG. 3

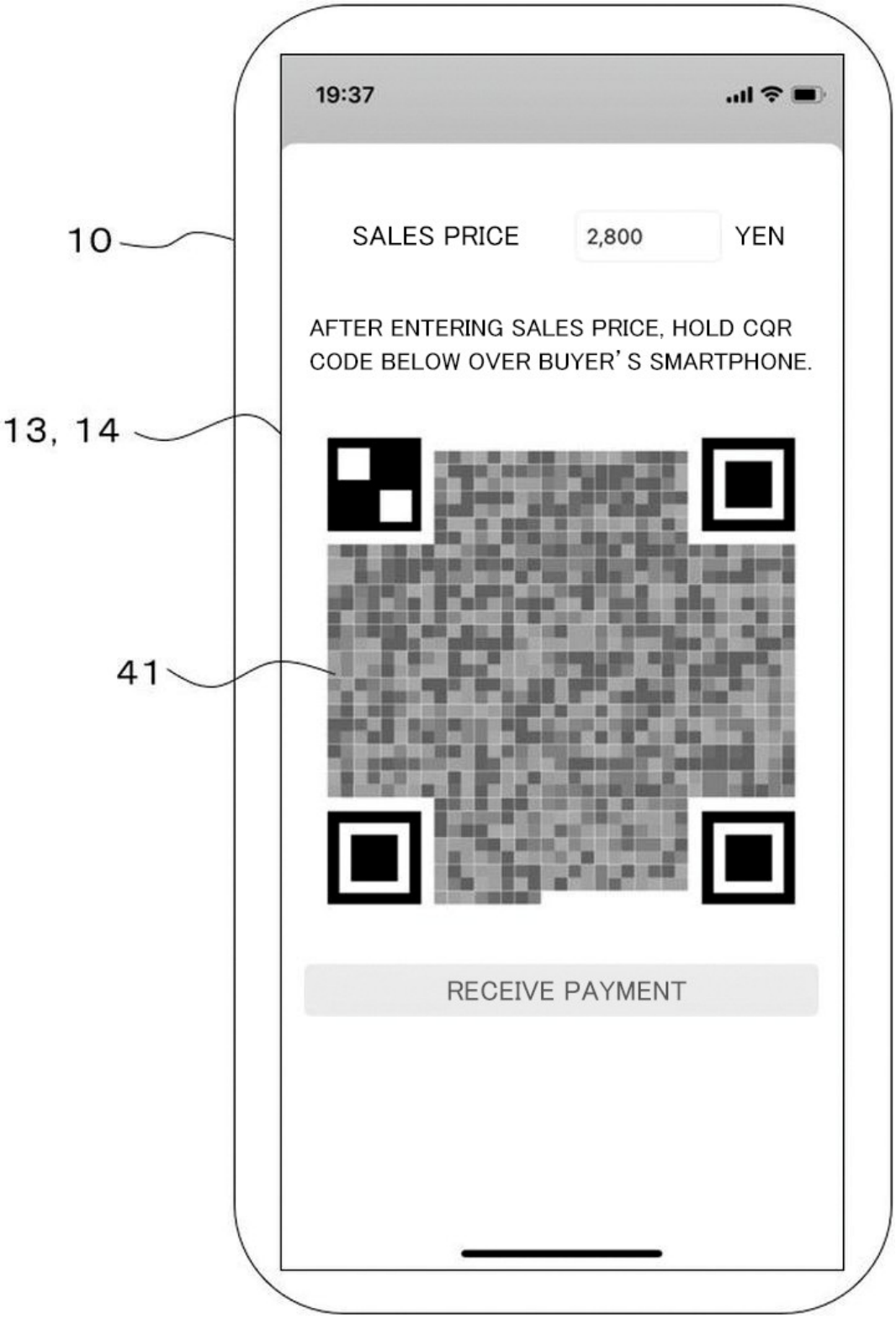

10
13, 14
41
19:37
SALES PRICE
2,800
YEN
AFTER ENTERING SALES PRICE, HOLD CQR CODE BELOW OVER BUYER'S SMARTPHONE.
RECEIVE PAYMENT

FIG. 4

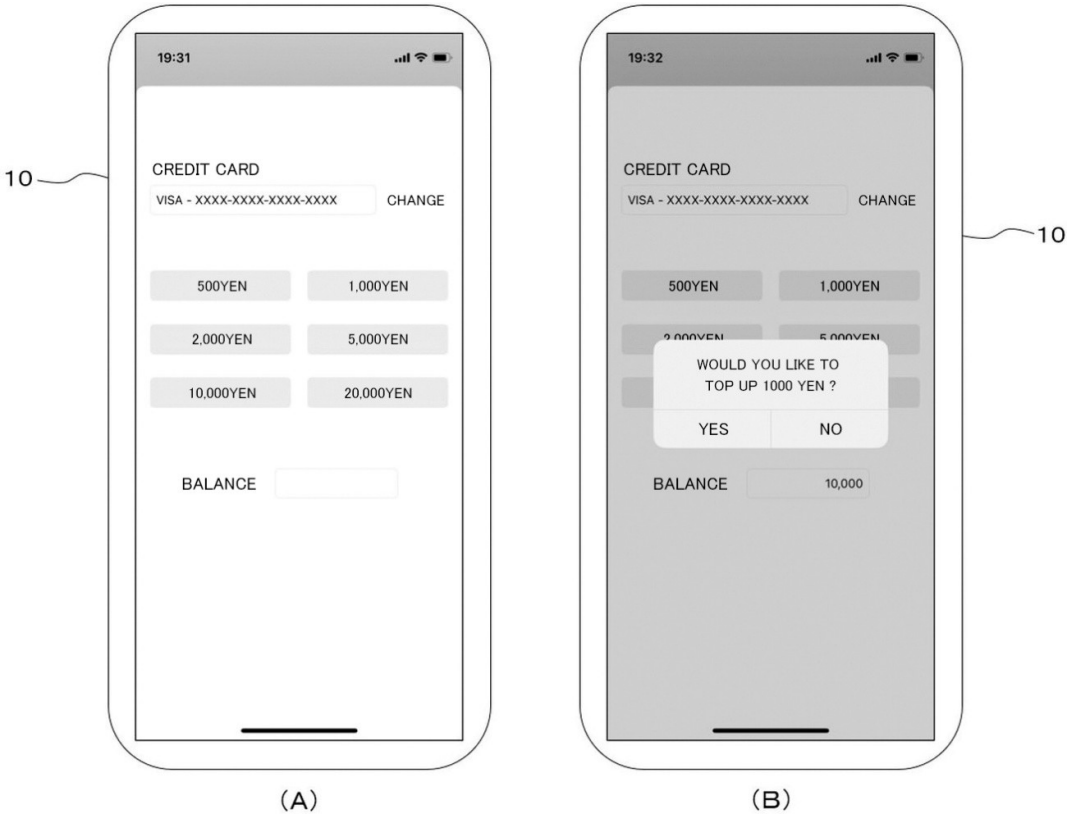

10
19:31
CREDIT CARD
VISA - XXXX-XXXX-XXXX-XXXX
CHANGE
500YEN
1,000YEN
2,000YEN
5,000YEN
10,000YEN
20,000YEN
BALANCE
(A)
19:32
CREDIT CARD
VISA - XXXX-XXXX-XXXX-XXXX
CHANGE
500YEN
1,000YEN
WOULD YOU LIKE TO
TOP UP 1000 YEN ?
YES
NO
BALANCE
10,000
10
(B)

FIG. 5

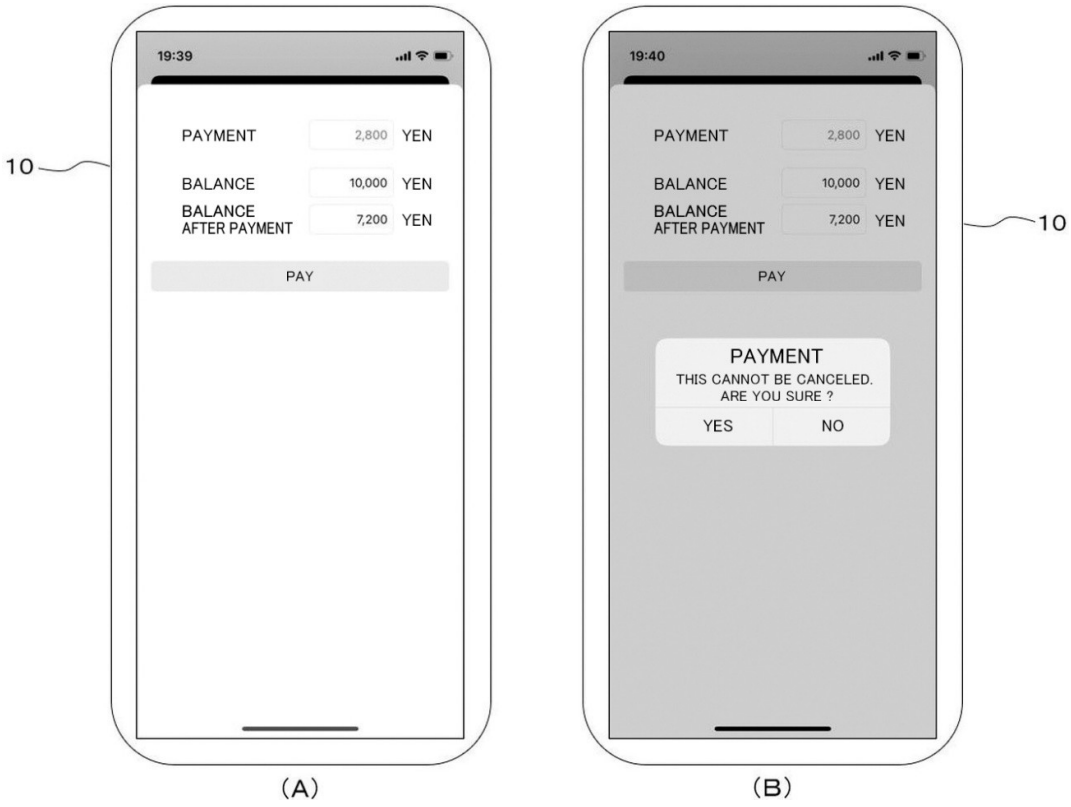

10
19:39
PAYMENT
2,800
YEN
BALANCE
10,000
YEN
BALANCE
AFTER PAYMENT
7,200
YEN
PAY
(A)
19:40
PAYMENT
2,800
YEN
BALANCE
10,000
YEN
BALANCE
AFTER PAYMENT
7,200
YEN
PAY
PAYMENT
THIS CANNOT BE CANCELED.
ARE YOU SURE ?
YES
NO
10
(B)

FIG. 6

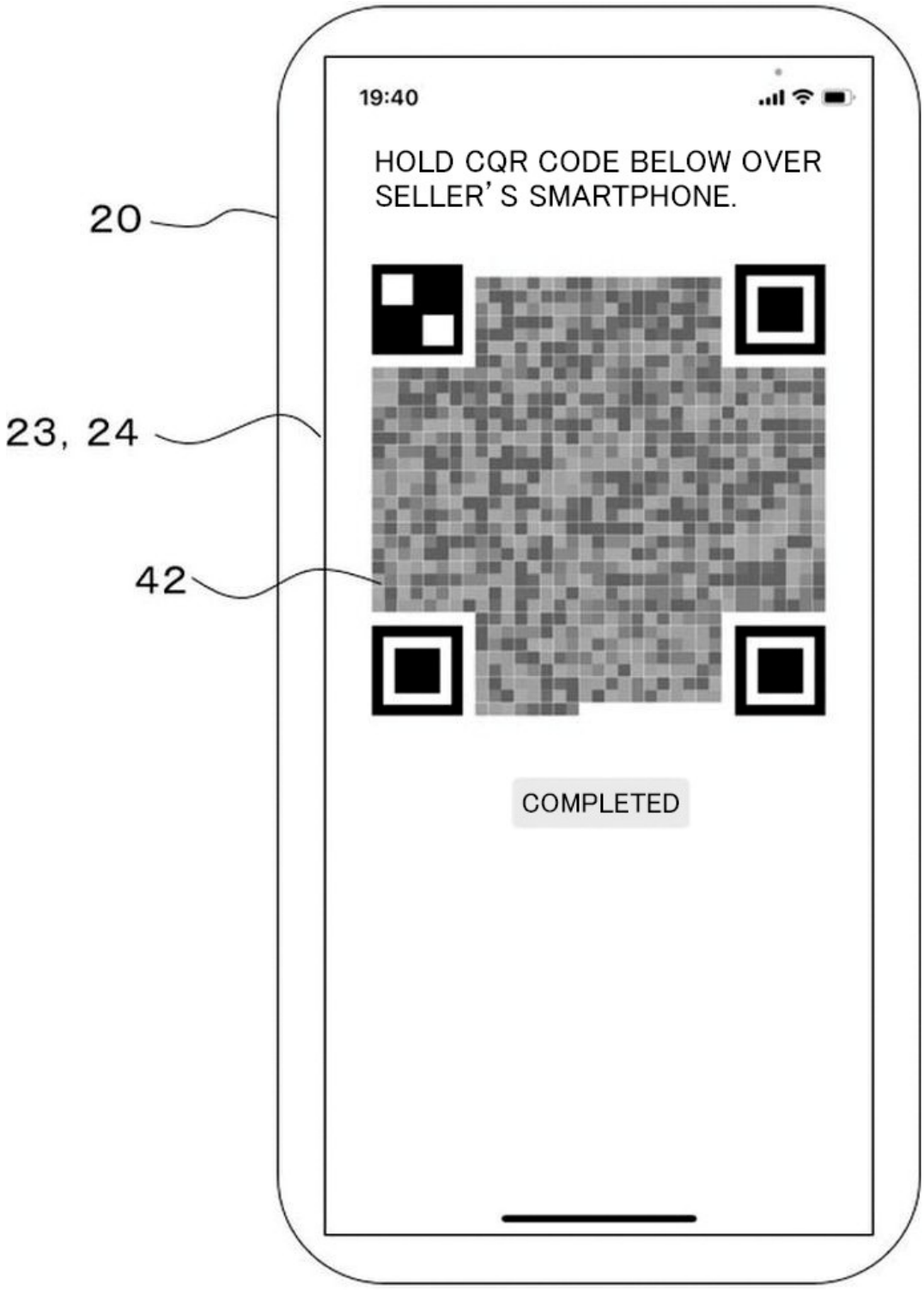

19:40
HOLD CQR CODE BELOW OVER SELLER'S SMARTPHONE.
COMPLETED
20
23, 24
42

FIG. 7

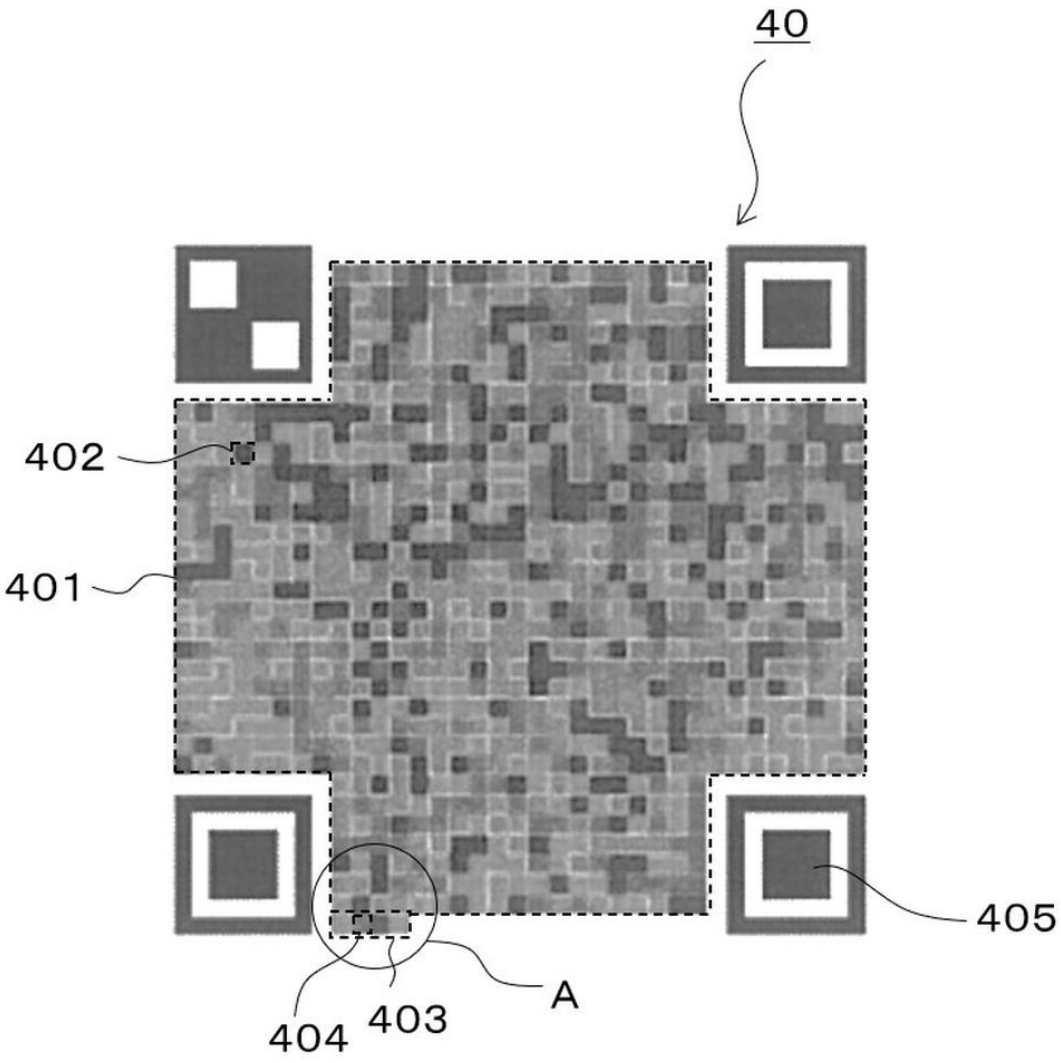


FIG. 8

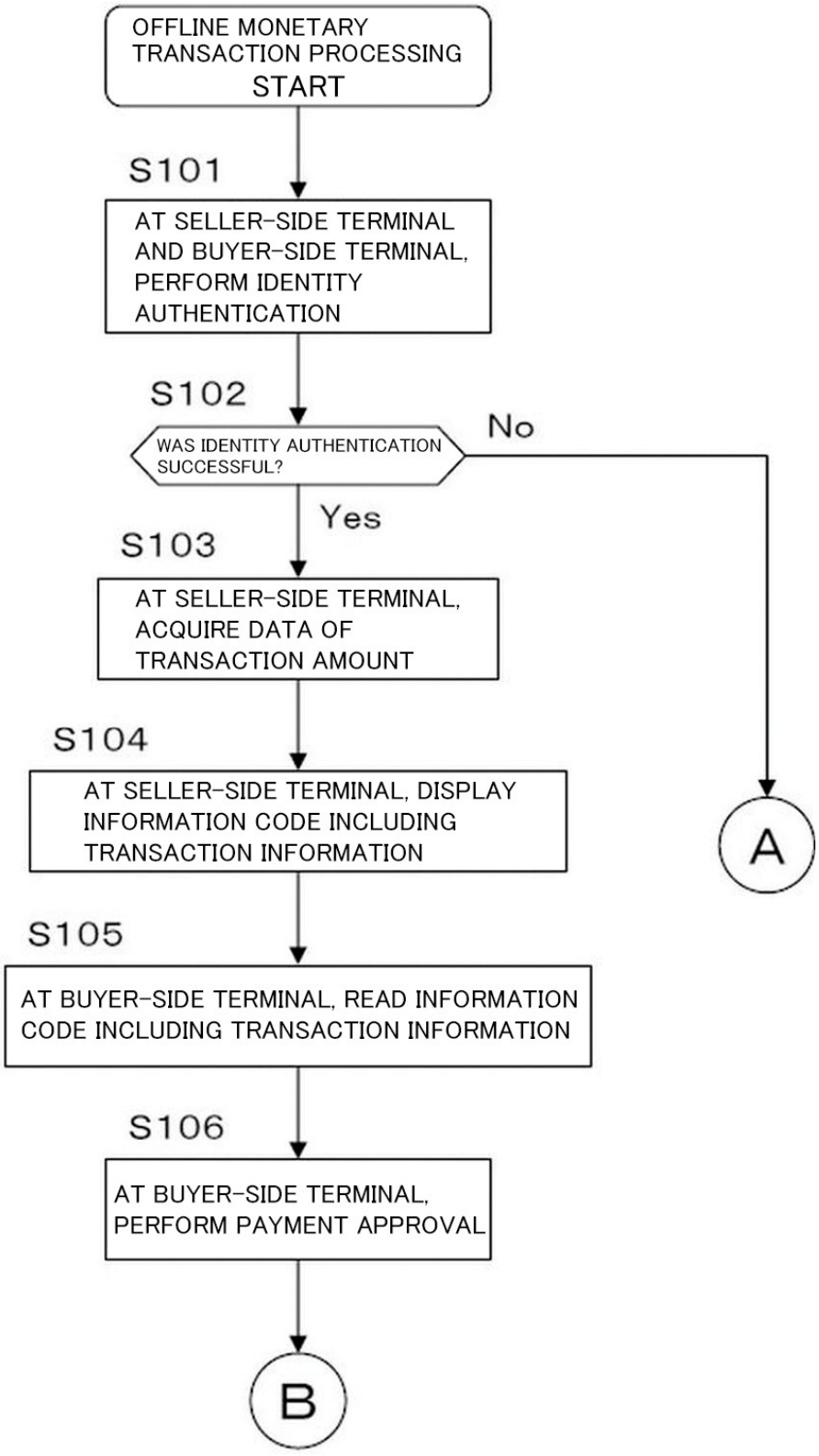

OFFLINE MONETARY TRANSACTION PROCESSING START
S101
AT SELLER-SIDE TERMINAL AND BUYER-SIDE TERMINAL, PERFORM IDENTITY AUTHENTICATION
S102
WAS IDENTITY AUTHENTICATION SUCCESSFUL?
No
Yes
S103
AT SELLER-SIDE TERMINAL, ACQUIRE DATA OF TRANSACTION AMOUNT
S104
AT SELLER-SIDE TERMINAL, DISPLAY INFORMATION CODE INCLUDING TRANSACTION INFORMATION
A
S105
AT BUYER-SIDE TERMINAL, READ INFORMATION CODE INCLUDING TRANSACTION INFORMATION
S106
AT BUYER-SIDE TERMINAL, PERFORM PAYMENT APPROVAL
B

FIG. 9

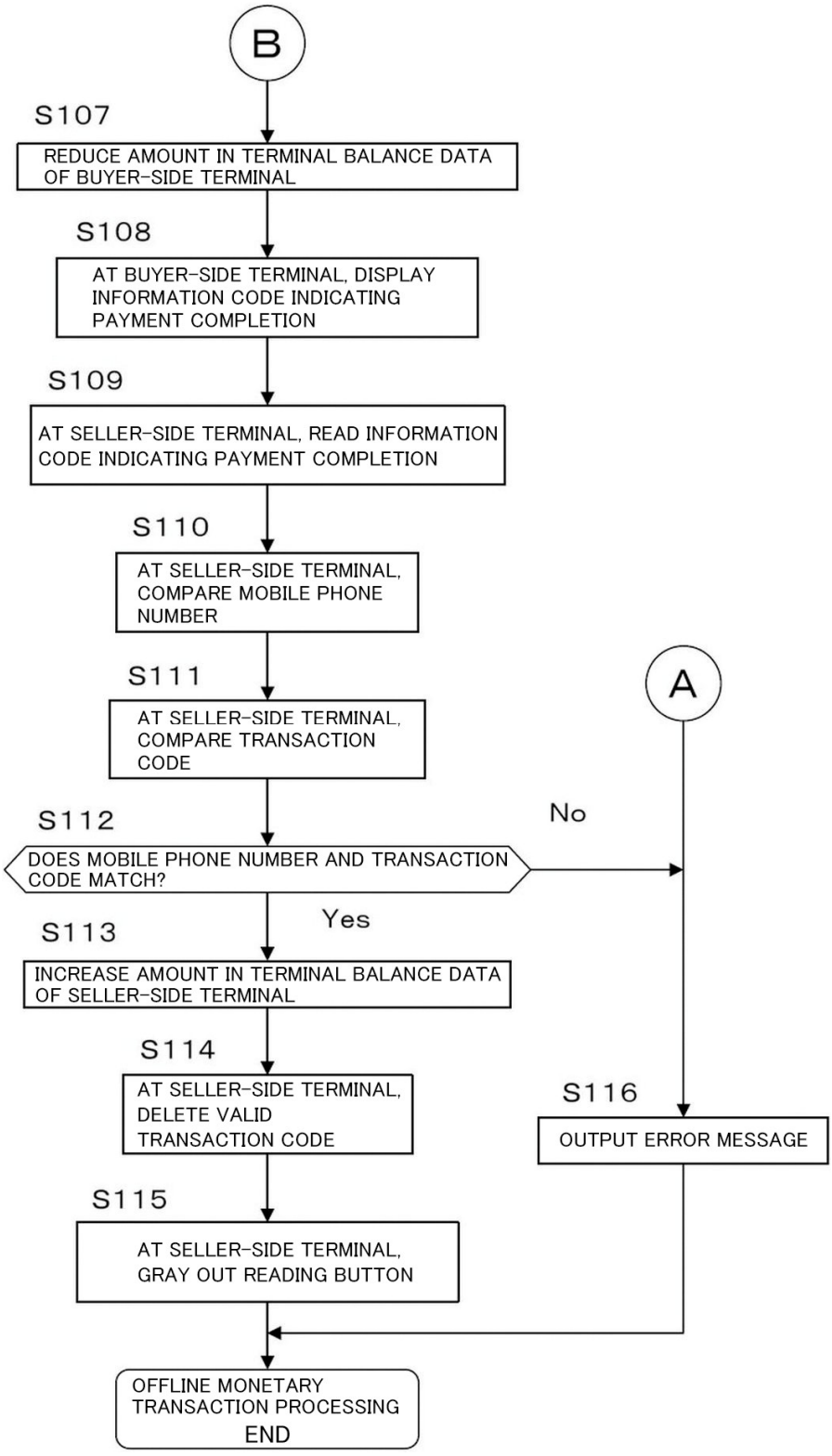

B
S107
REDUCE AMOUNT IN TERMINAL BALANCE DATA OF BUYER-SIDE TERMINAL
S108
AT BUYER-SIDE TERMINAL, DISPLAY INFORMATION CODE INDICATING PAYMENT COMPLETION
S109
AT SELLER-SIDE TERMINAL, READ INFORMATION CODE INDICATING PAYMENT COMPLETION
S110
AT SELLER-SIDE TERMINAL, COMPARE MOBILE PHONE NUMBER
S111
AT SELLER-SIDE TERMINAL, COMPARE TRANSACTION CODE
S112
DOES MOBILE PHONE NUMBER AND TRANSACTION CODE MATCH?
No
Yes
A
S113
INCREASE AMOUNT IN TERMINAL BALANCE DATA OF SELLER-SIDE TERMINAL
S114
AT SELLER-SIDE TERMINAL, DELETE VALID TRANSACTION CODE
S116
OUTPUT ERROR MESSAGE
S115
AT SELLER-SIDE TERMINAL, GRAY OUT READING BUTTON
OFFLINE MONETARY TRANSACTION PROCESSING END

FIG. 10