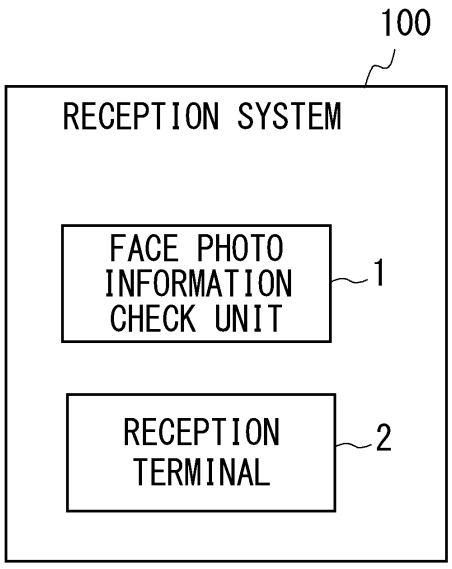
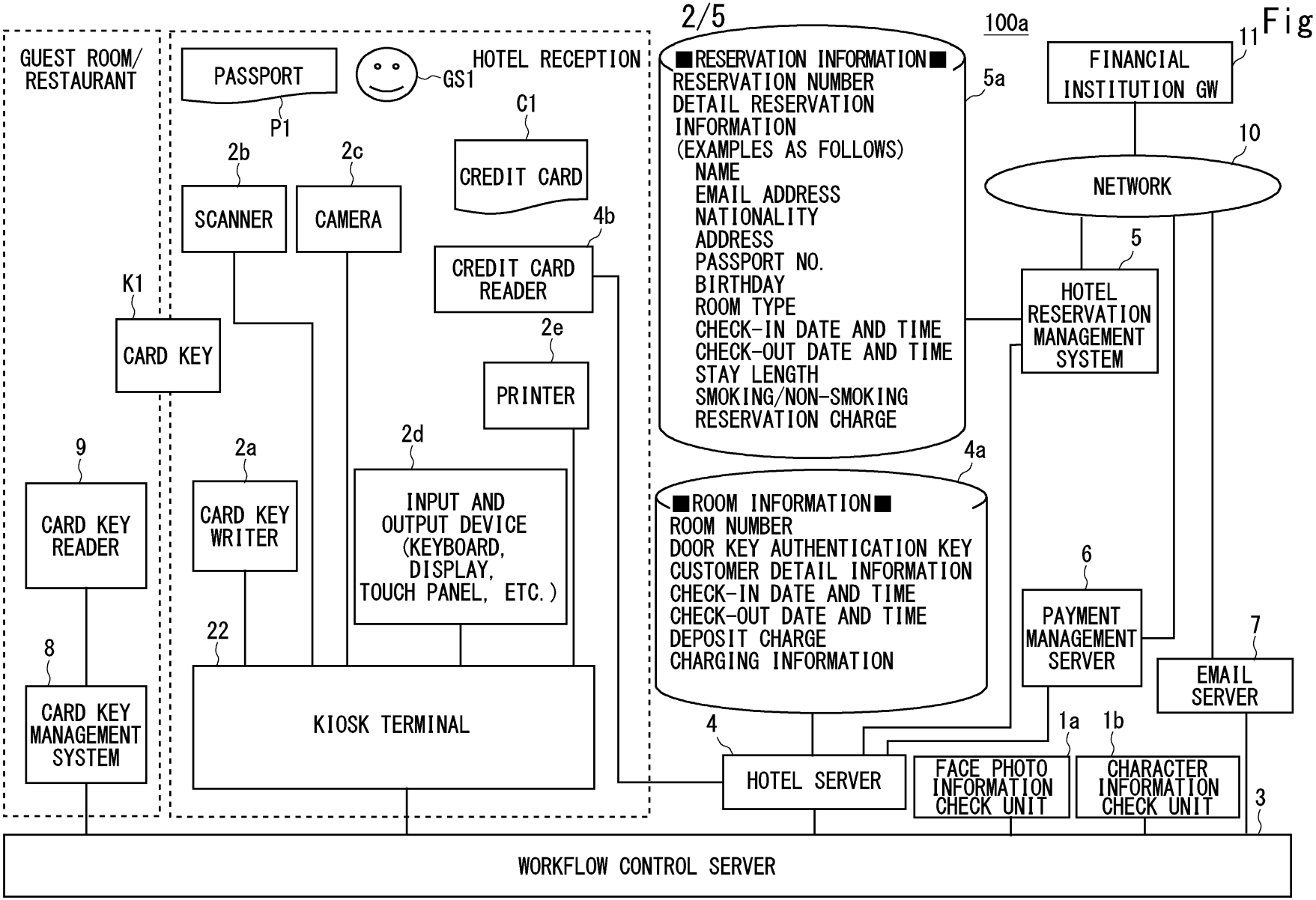

100
RECEPTION SYSTEM
FACE PHOTO INFORMATION CHECK UNIT
1
RECEPTION TERMINAL
2

Fig. 1

Fig. 2


GUEST ROOM/
RESTAURANT
HOTEL RECEPTION
PASSPORT
P1
GS1
C1
CREDIT CARD
2b
SCANNER
2c
CAMERA
4b
CREDIT CARD
READER
K1
CARD KEY
2e
PRINTER
9
CARD KEY
READER
2a
CARD KEY
WRITER
2d
INPUT AND
OUTPUT DEVICE
(KEYBOARD,
DISPLAY,
TOUCH PANEL, ETC.)
22
8
CARD KEY
MANAGEMENT
SYSTEM
KIOSK TERMINAL
100a
■RESERVATION INFORMATION■
RESERVATION NUMBER
DETAIL RESERVATION
INFORMATION
(EXAMPLES AS FOLLOWS)
NAME
EMAIL ADDRESS
NATIONALITY
ADDRESS
PASSPORT NO.
BIRTHDAY
ROOM TYPE
CHECK-IN DATE AND TIME
CHECK-OUT DATE AND TIME
STAY LENGTH
SMOKING/NON-SMOKING
RESERVATION CHARGE
5a
4a
■ROOM INFORMATION■
ROOM NUMBER
DOOR KEY AUTHENTICATION KEY
CUSTOMER DETAIL INFORMATION
CHECK-IN DATE AND TIME
CHECK-OUT DATE AND TIME
DEPOSIT CHARGE
CHARGING INFORMATION
FINANCIAL
INSTITUTION GW
11
10
NETWORK
5
HOTEL
RESERVATION
MANAGEMENT
SYSTEM
6
PAYMENT
MANAGEMENT
SERVER
7
EMAIL
SERVER
4
HOTEL SERVER
1a
FACE PHOTO
INFORMATION
CHECK UNIT
1b
CHARACTER
INFORMATION
CHECK UNIT
3
WORKFLOW CONTROL SERVER

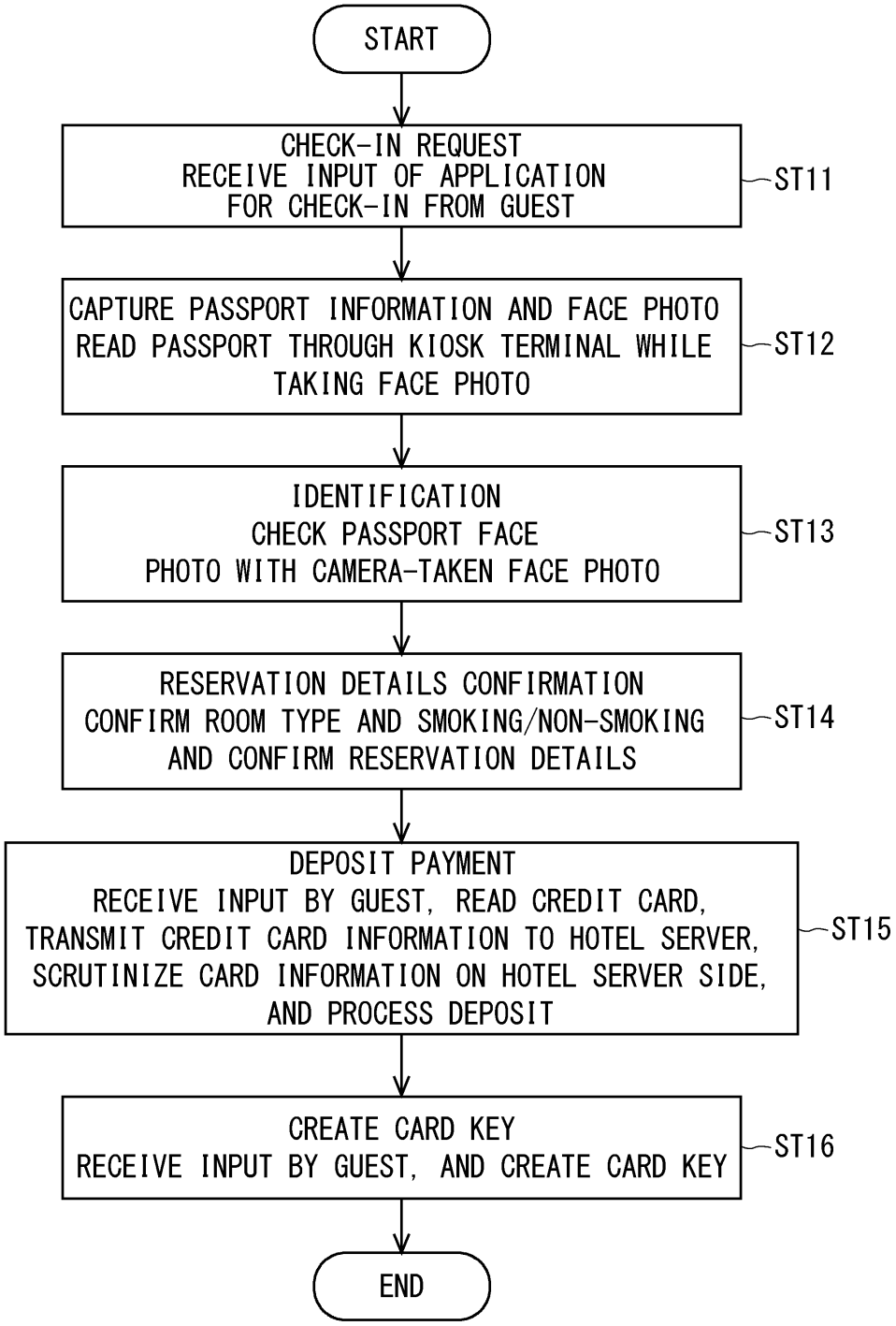

START
CHECK-IN REQUEST
RECEIVE INPUT OF APPLICATION
FOR CHECK-IN FROM GUEST
ST11
CAPTURE PASSPORT INFORMATION AND FACE PHOTO
READ PASSPORT THROUGH KIOSK TERMINAL WHILE
TAKING FACE PHOTO
ST12
IDENTIFICATION
CHECK PASSPORT FACE
PHOTO WITH CAMERA-TAKEN FACE PHOTO
ST13
RESERVATION DETAILS CONFIRMATION
CONFIRM ROOM TYPE AND SMOKING/NON-SMOKING
AND CONFIRM RESERVATION DETAILS
ST14
DEPOSIT PAYMENT
RECEIVE INPUT BY GUEST, READ CREDIT CARD,
TRANSMIT CREDIT CARD INFORMATION TO HOTEL SERVER,
SCRUTINIZE CARD INFORMATION ON HOTEL SERVER SIDE,
AND PROCESS DEPOSIT
ST15
CREATE CARD KEY
RECEIVE INPUT BY GUEST, AND CREATE CARD KEY
ST16
END

Fig. 3

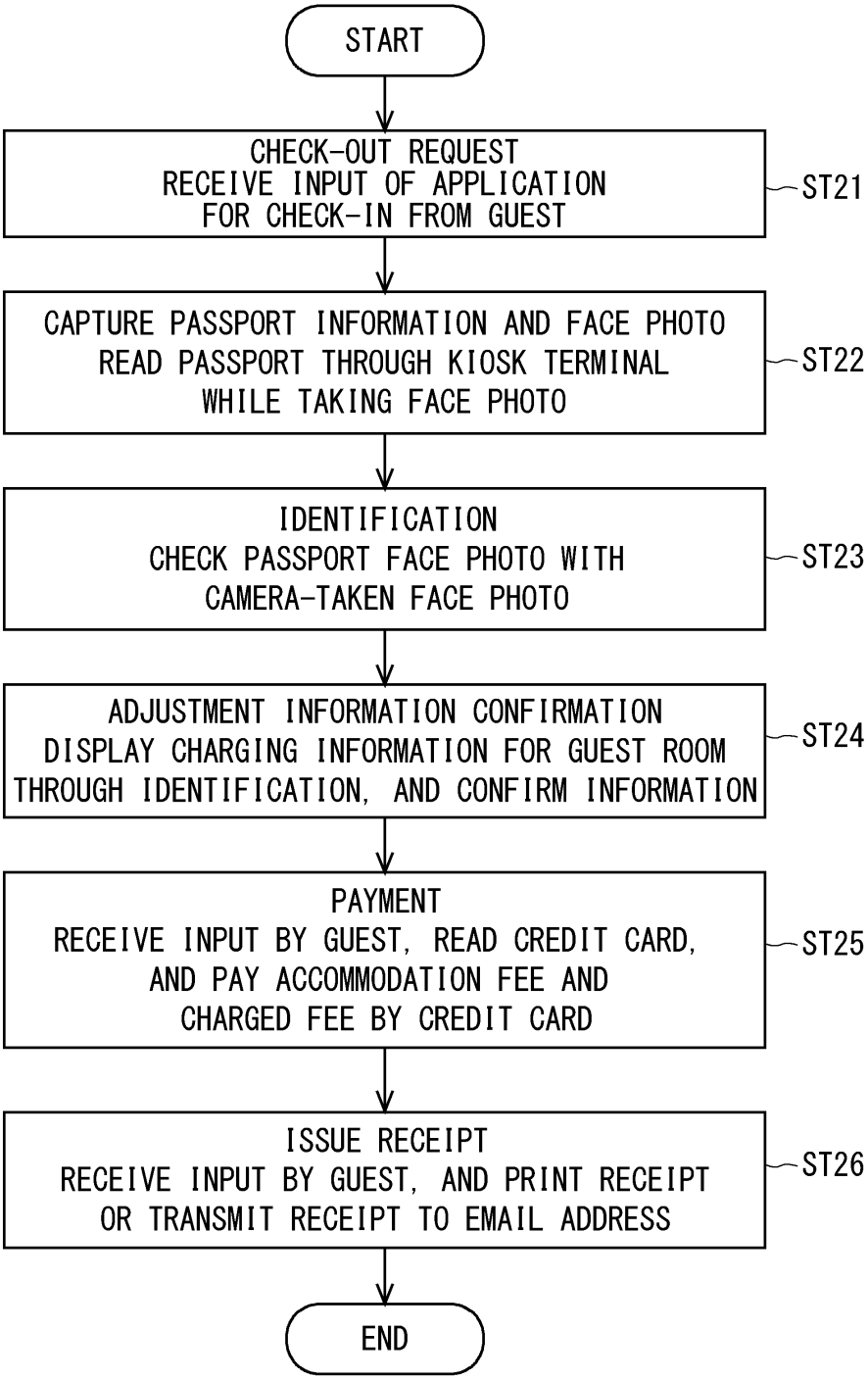

START
CHECK-OUT REQUEST
RECEIVE INPUT OF APPLICATION
FOR CHECK-IN FROM GUEST
ST21
CAPTURE PASSPORT INFORMATION AND FACE PHOTO
READ PASSPORT THROUGH KIOSK TERMINAL
WHILE TAKING FACE PHOTO
ST22
IDENTIFICATION
CHECK PASSPORT FACE PHOTO WITH
CAMERA-TAKEN FACE PHOTO
ST23
ADJUSTMENT INFORMATION CONFIRMATION
DISPLAY CHARGING INFORMATION FOR GUEST ROOM
THROUGH IDENTIFICATION, AND CONFIRM INFORMATION
ST24
PAYMENT
RECEIVE INPUT BY GUEST, READ CREDIT CARD,
AND PAY ACCOMMODATION FEE AND
CHARGED FEE BY CREDIT CARD
ST25
ISSUE RECEIPT
RECEIVE INPUT BY GUEST, AND PRINT RECEIPT
OR TRANSMIT RECEIPT TO EMAIL ADDRESS
ST26
END

Fig. 4

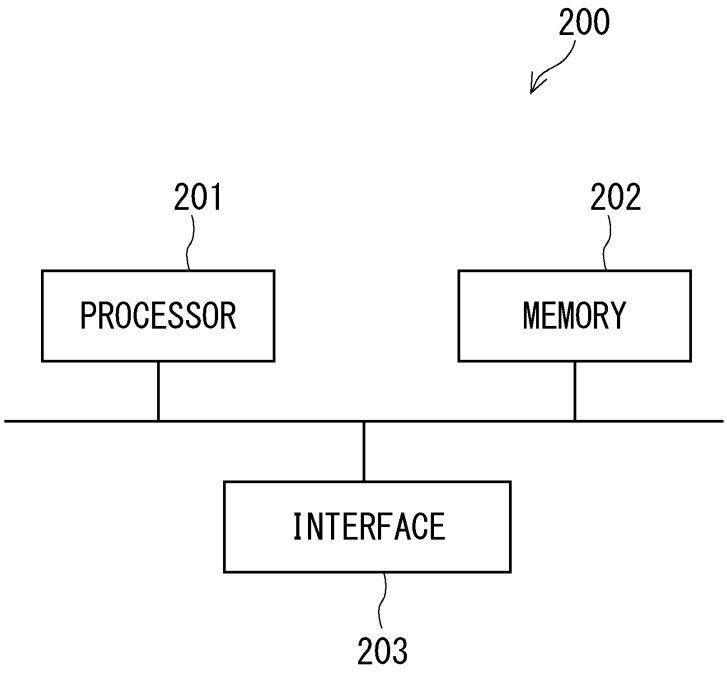


Fig. 5