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(54) **SERVER AND GAME SYSTEM**

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(57) **ABSTRACT**

A server is data-communicably connected to respective gaming machines and enables a mail transmission and reception among the gaming machines. Each of the gaming machines has an imaging unit that images a player and an input unit through which the player inputs his/her identification data item. The server has a storage and a rewriting unit rewriting the contents of the storage. When a specifying data item stored in the storage and associated with a player image data item resulting from an imaging by the imaging unit of any of the gaming machines is not identical to a specifying data item received from the gaming machine, the specifying data item stored in the storage is rewritten by the rewriting unit.

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May 31, 2005 (JP) 2005-158416

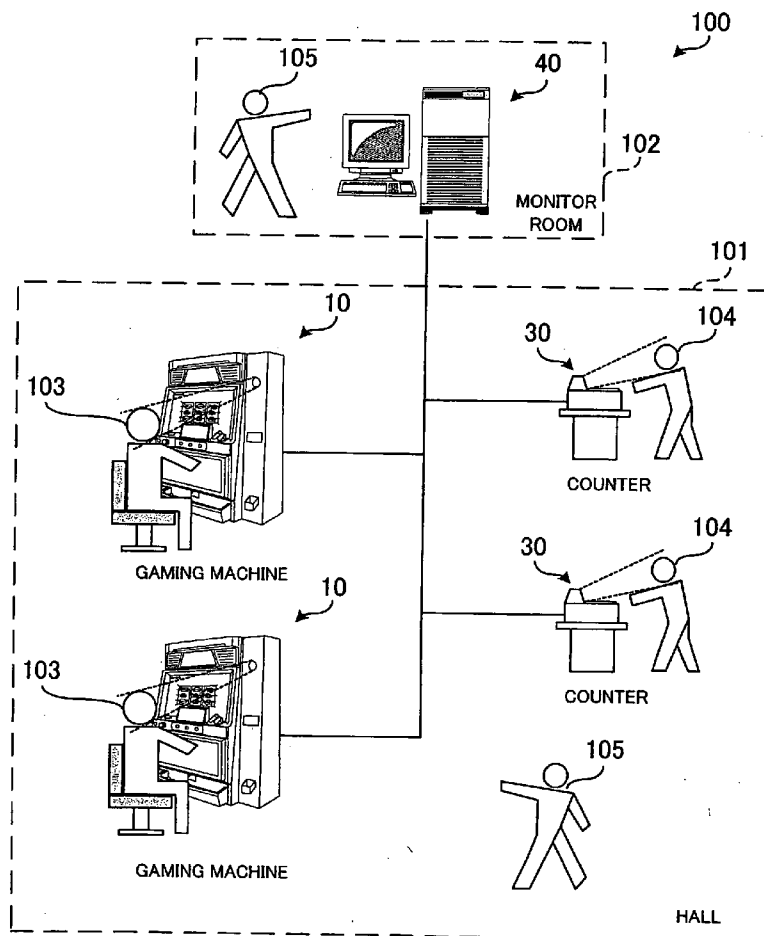


FIG. 1

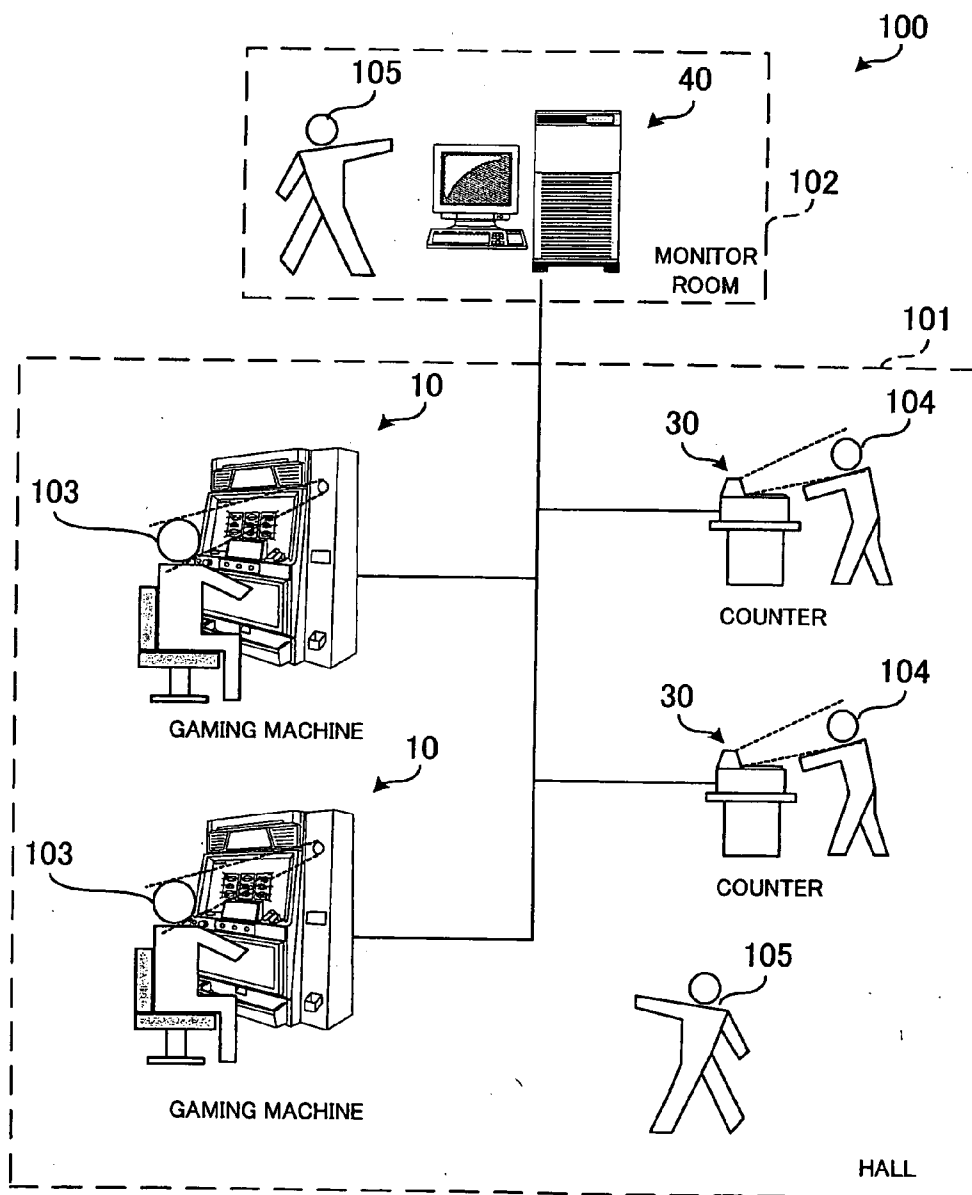


FIG. 2

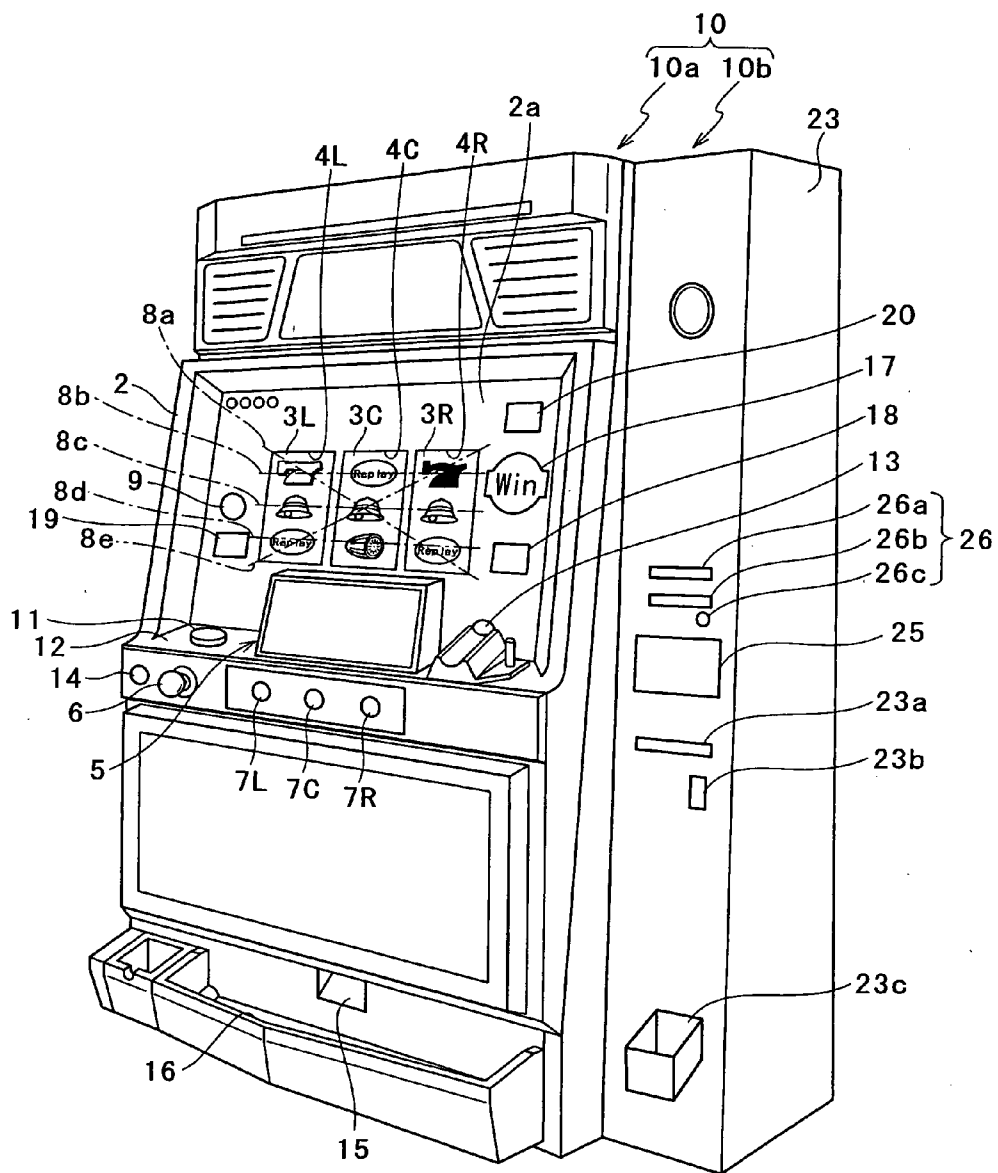


FIG. 3

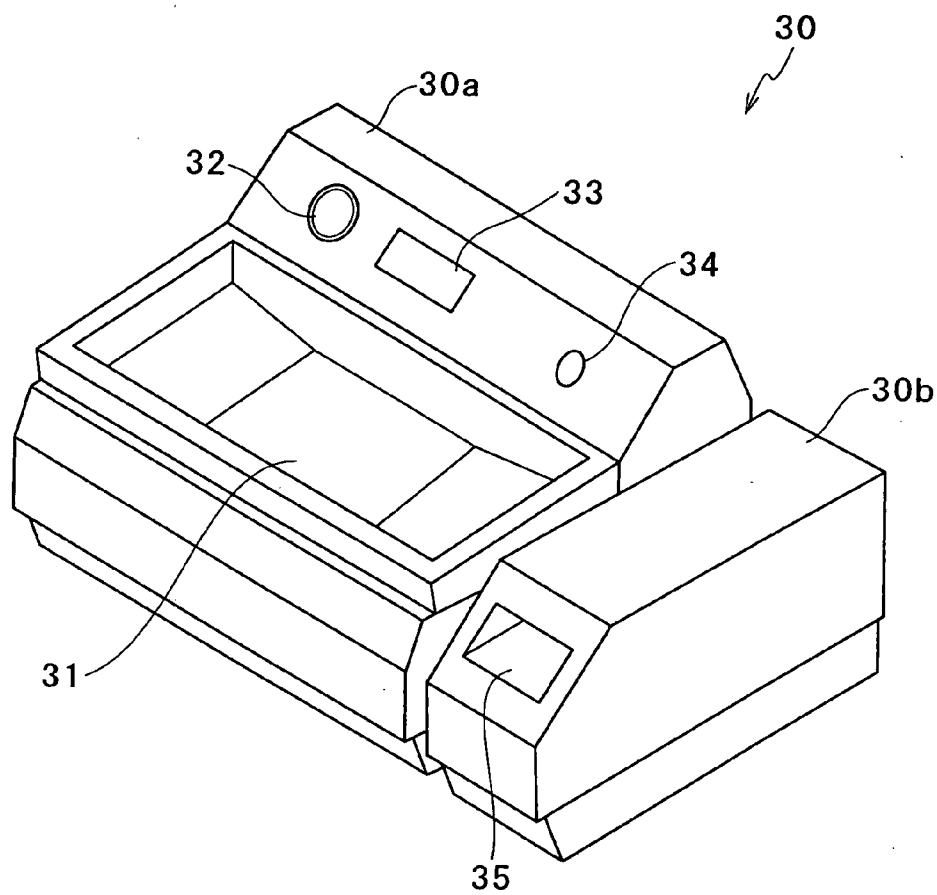


FIG. 4

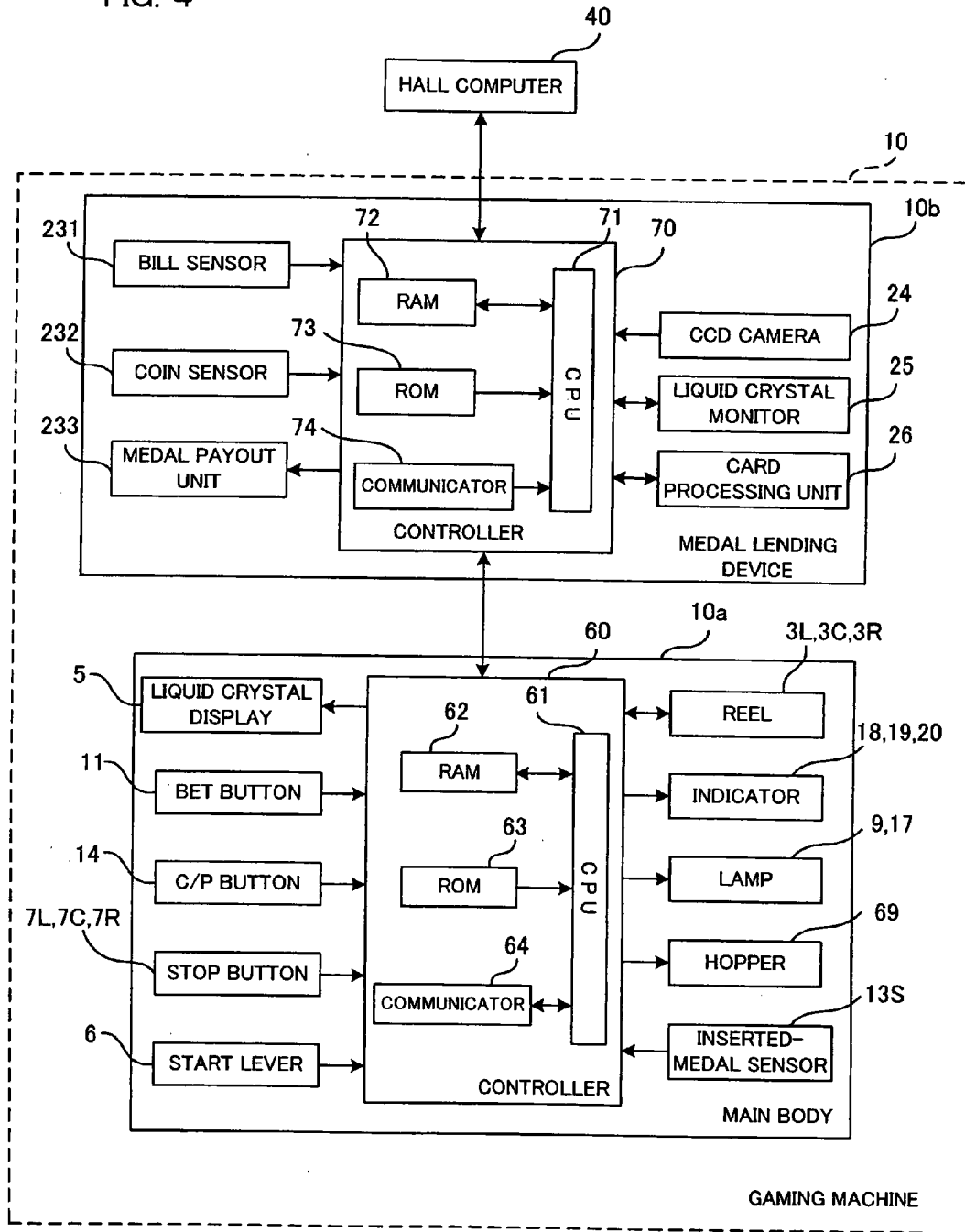


FIG. 5

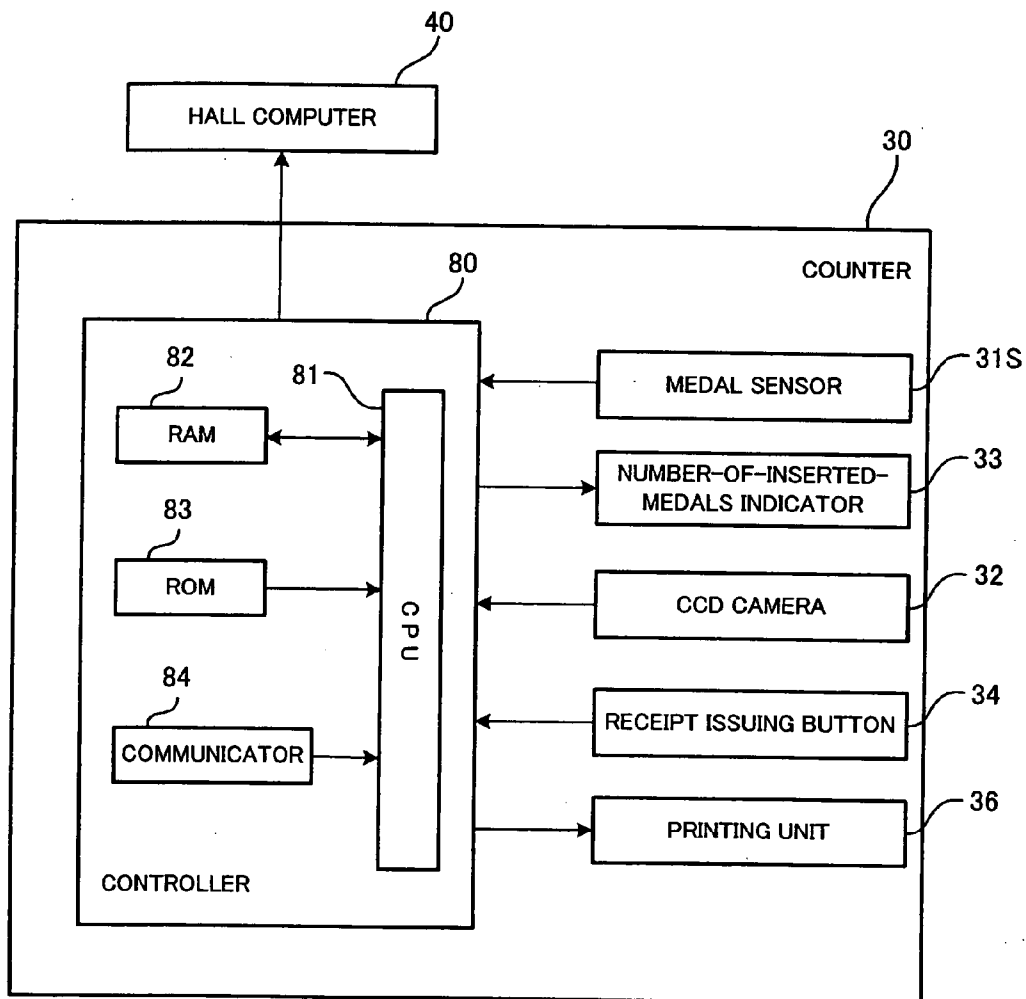


FIG. 6

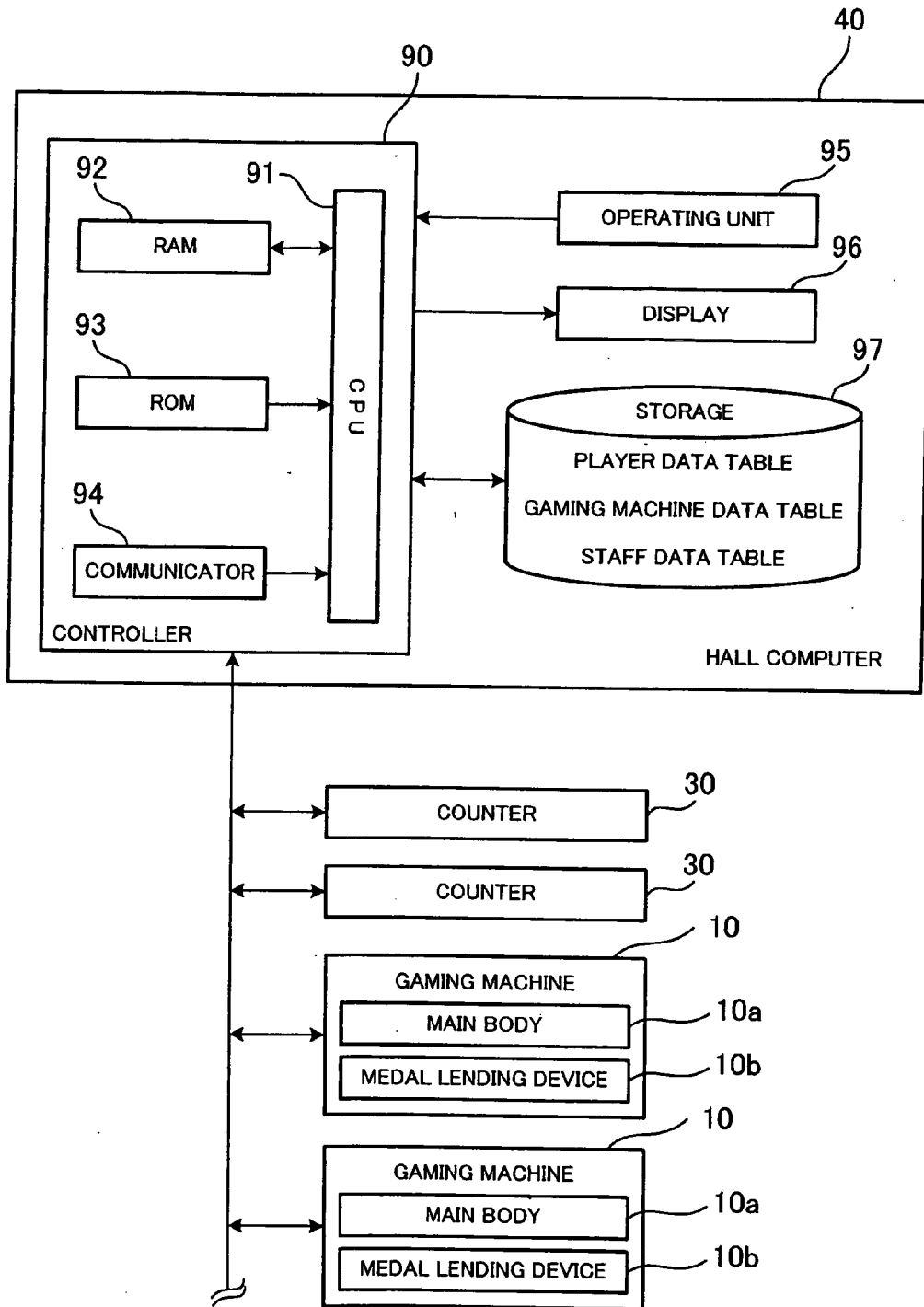


FIG. 7

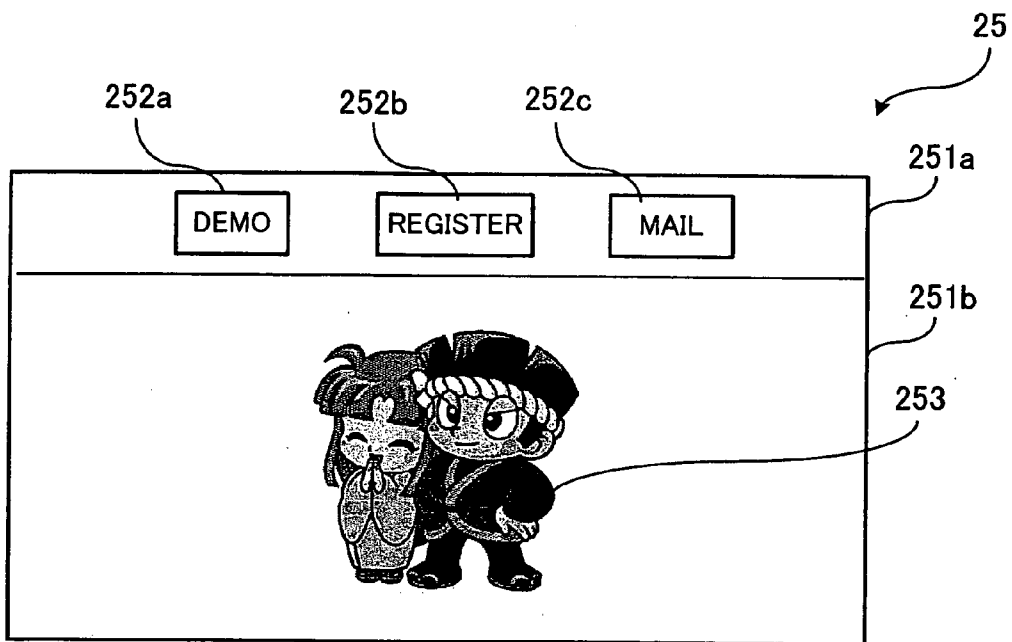


FIG. 8

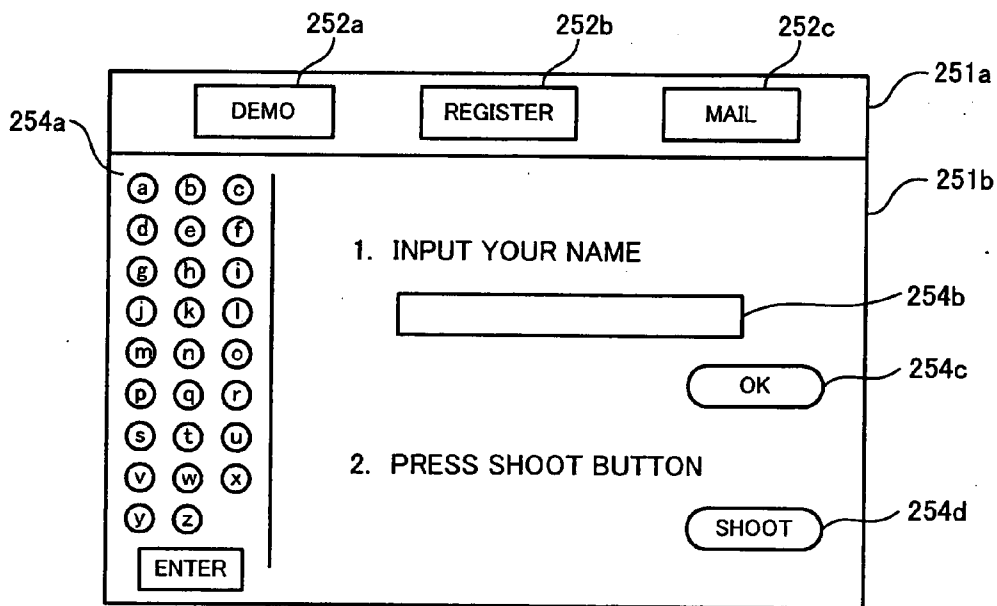


FIG. 9A

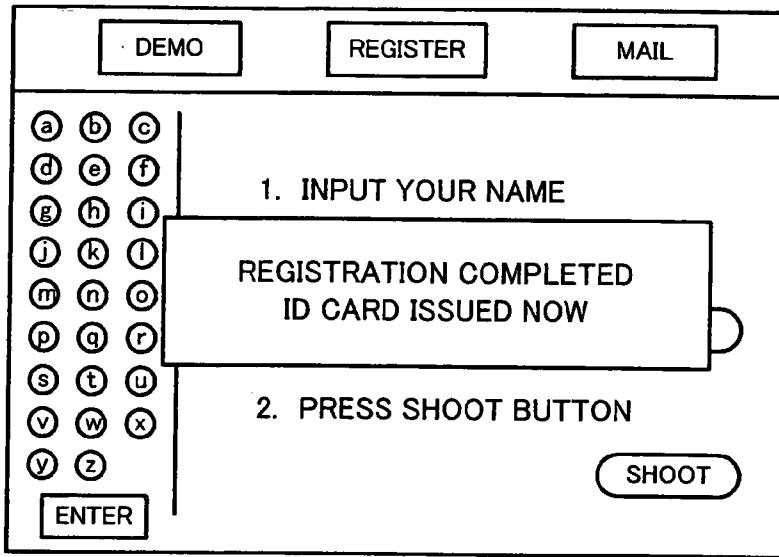


FIG. 9B

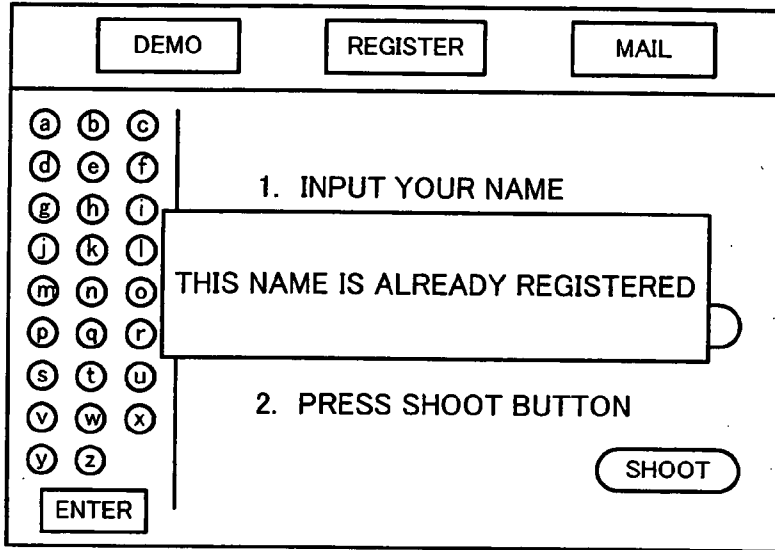
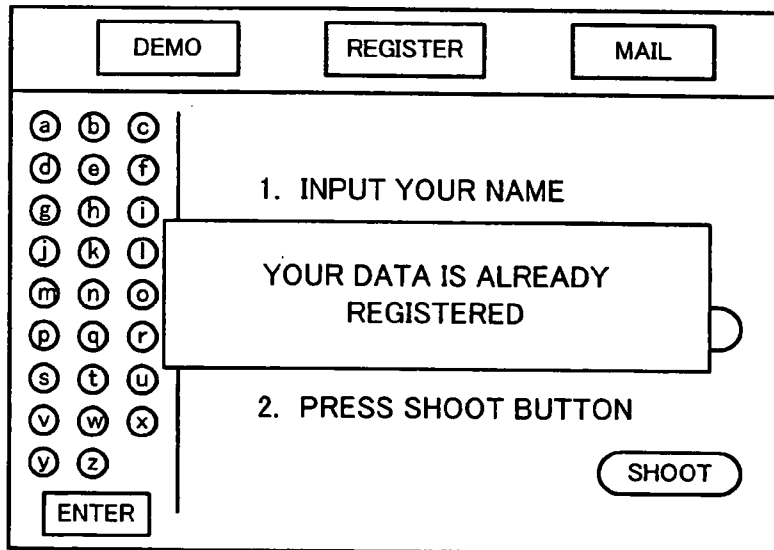


FIG. 9C



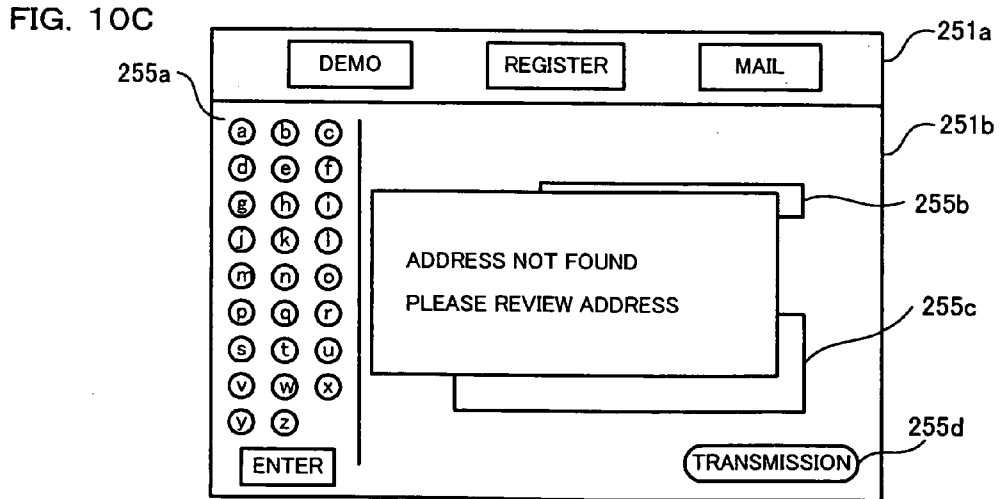
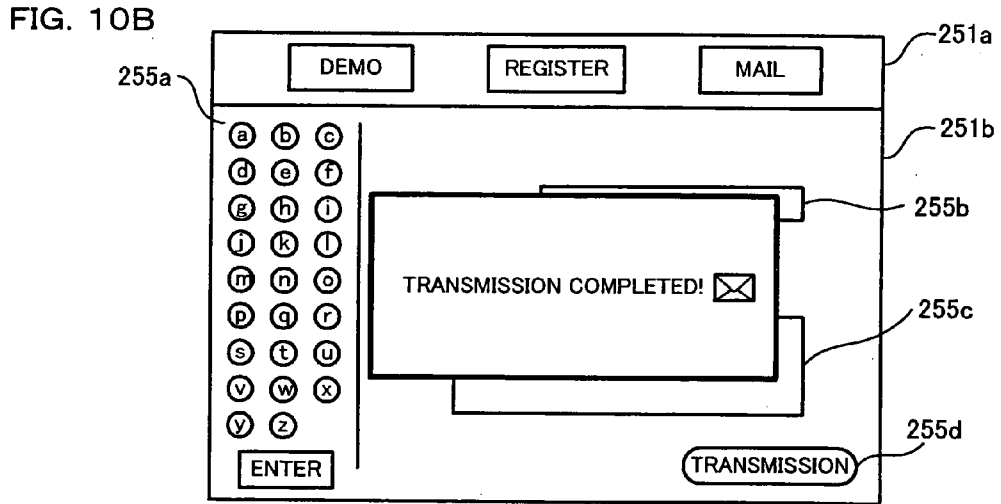
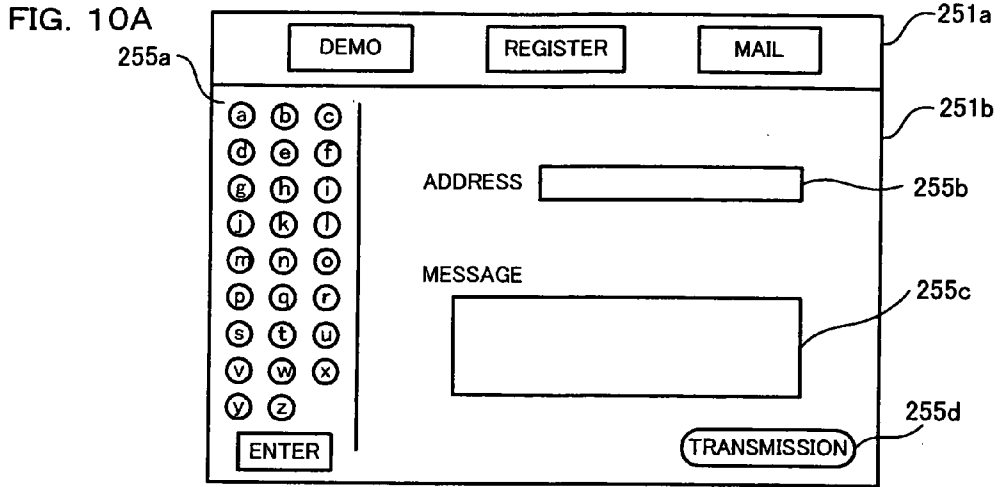


FIG. 11

PLAYER DATA TABLE




| FACE IMAGE OF PLAYER | NAME | MACHINE NUMBER | GAME STATUS | |
|---|------|----------------|-------------------|-------------------|
| | | | GAME MODE | NUMBER OF PAYOUTS |
|  | AAA | 0001 | BB BASE GAME MODE | 50 |
|  | CCC | 0002 | BASE GAME MODE | 3 |
|  | FFF | 0022 | RB GAME MODE | 140 |

FIG. 12

GAMING MACHINE DATA TABLE




| MACHINE NUMBER | FACE IMAGE OF PLAYER | GAME STATUS | |
|----------------|---|-------------------|-------------------|
| | | GAME MODE | NUMBER OF PAYOUTS |
| 0001 |  | BB BASE GAME MODE | 50 |
| 0002 |  | BASE GAME MODE | 3 |
| ⋮ | ⋮ | ⋮ | ⋮ |
| 0022 |  | RB GAME MODE | 140 |

FIG. 13

STAFF DATA TABLE



| FACE IMAGE OF STAFF | NAME |
|---|------|
|  | XXX |
|  | YYY |
| ⋮ | |

FIG. 14

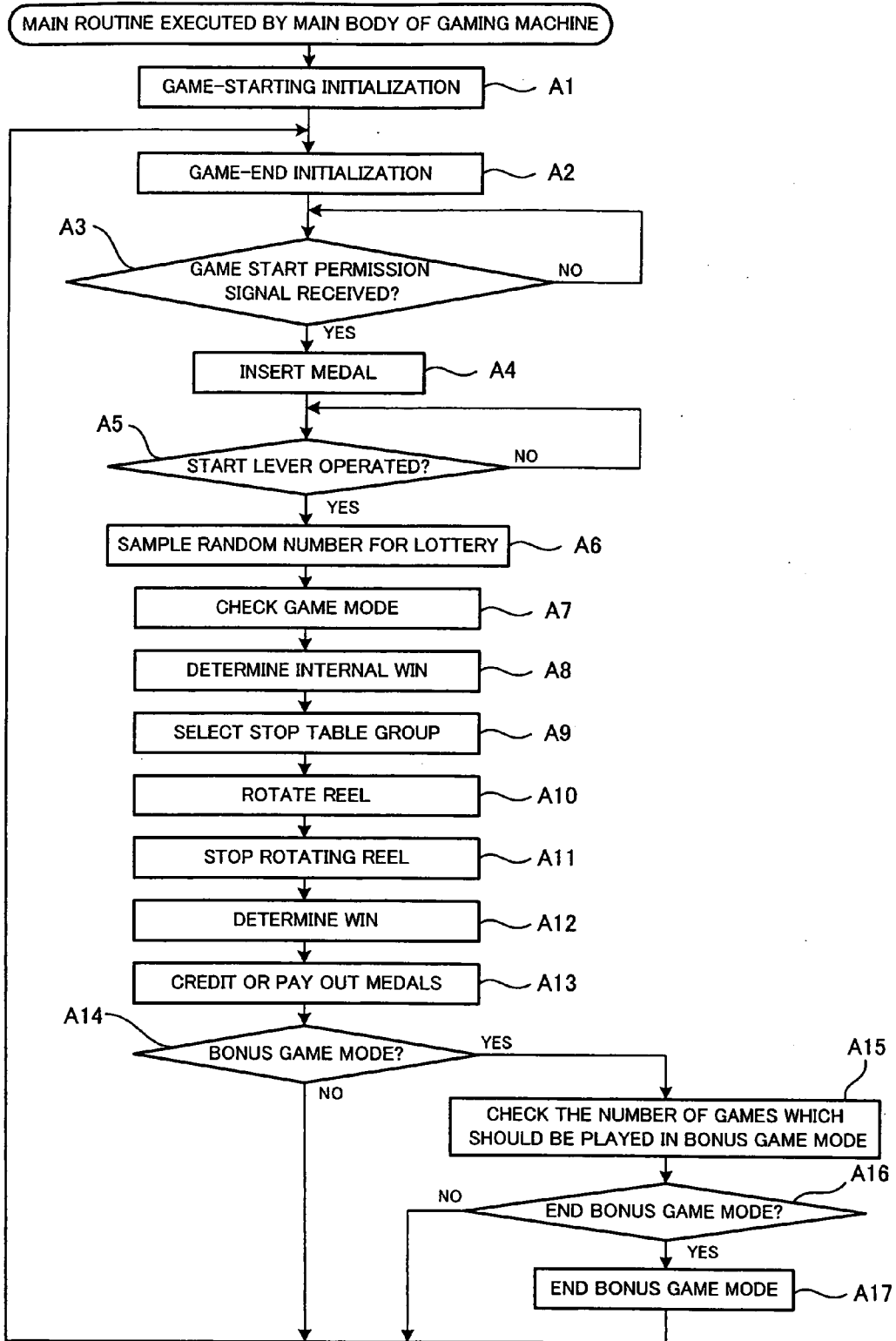


FIG. 15

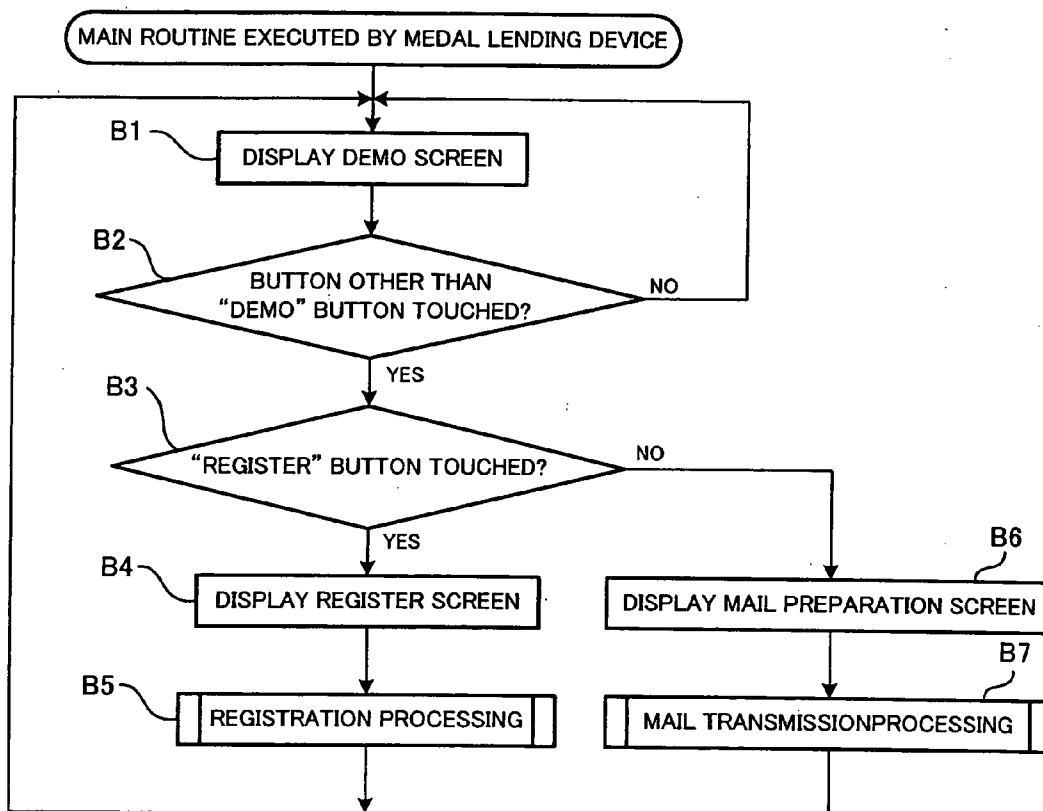


FIG. 16

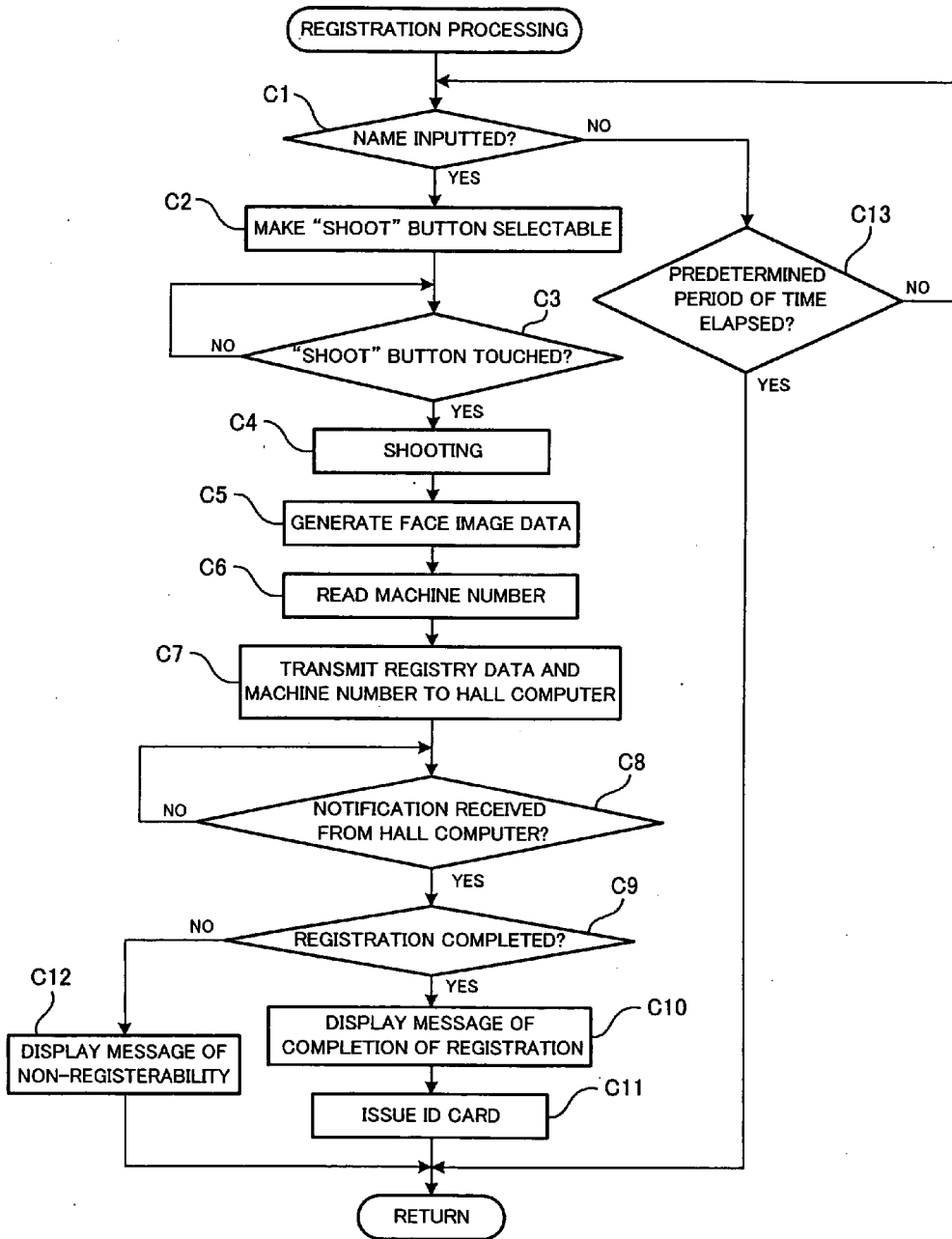


FIG. 17

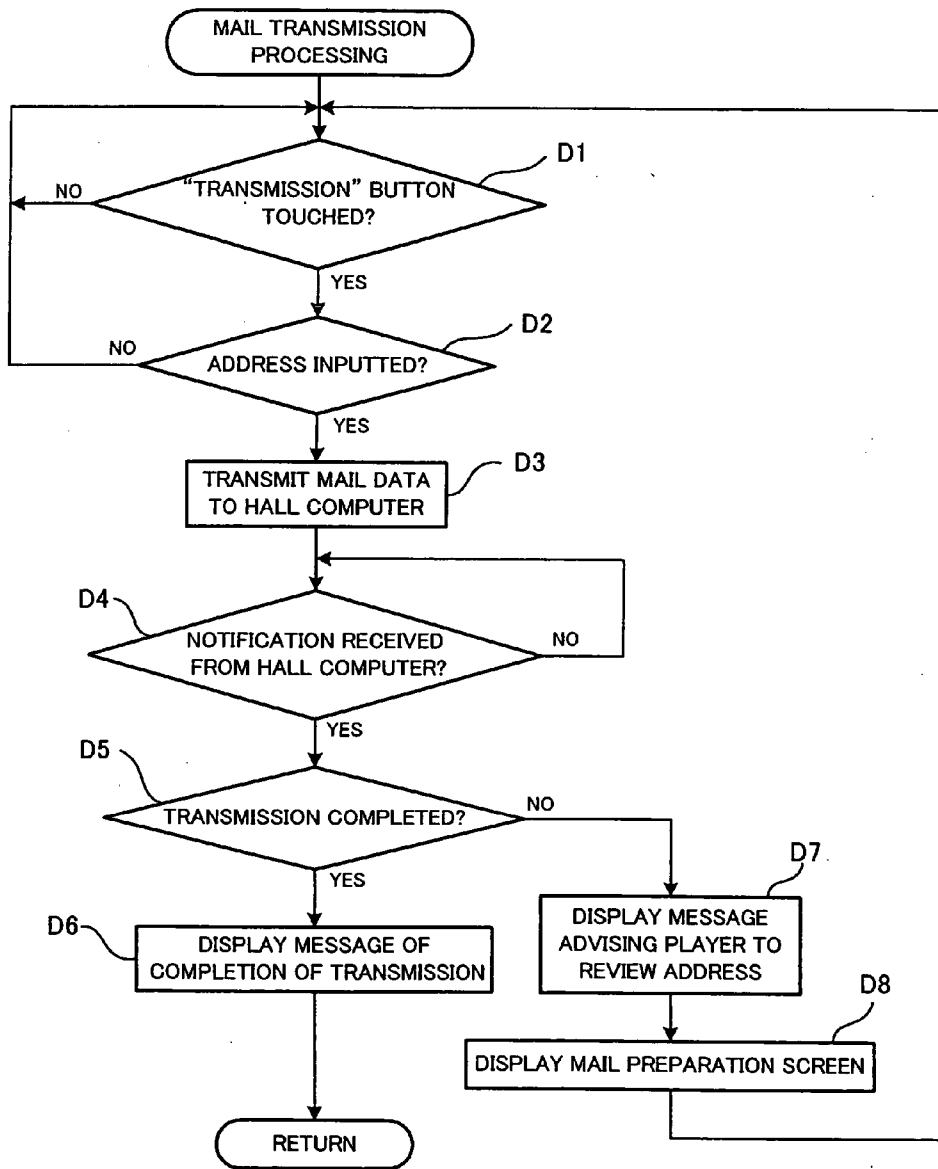


FIG. 18

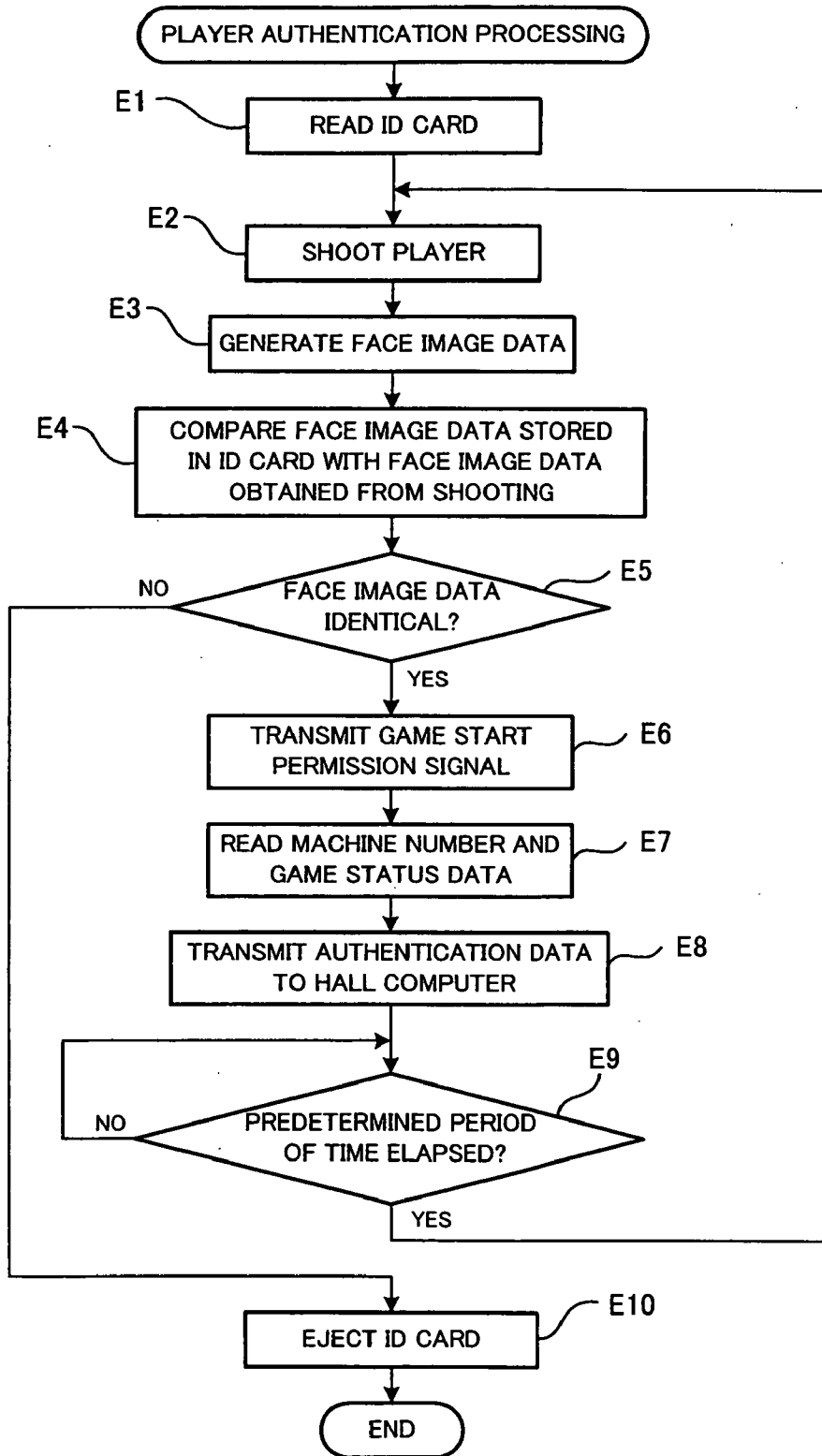


FIG. 19

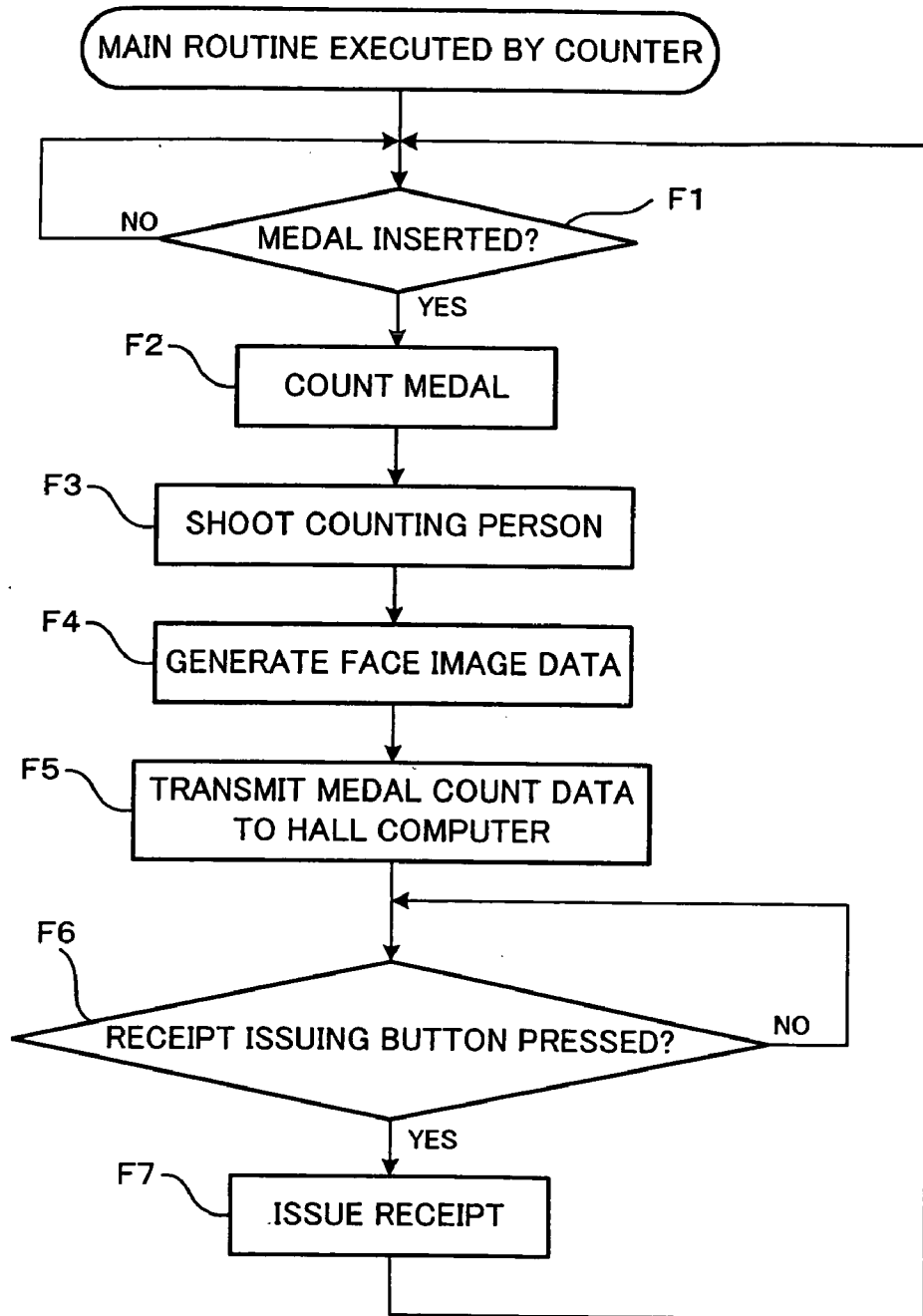


FIG. 20

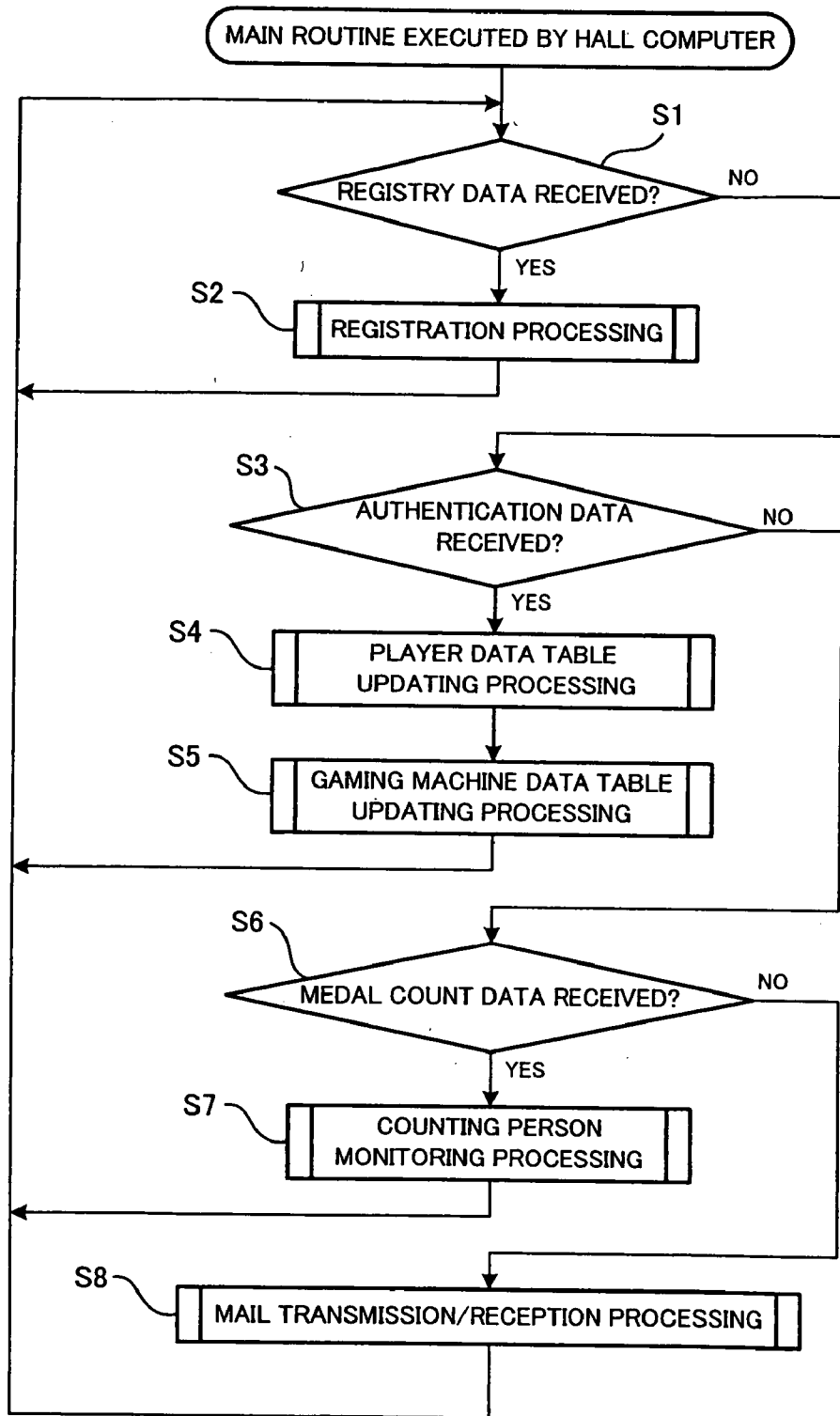


FIG. 21

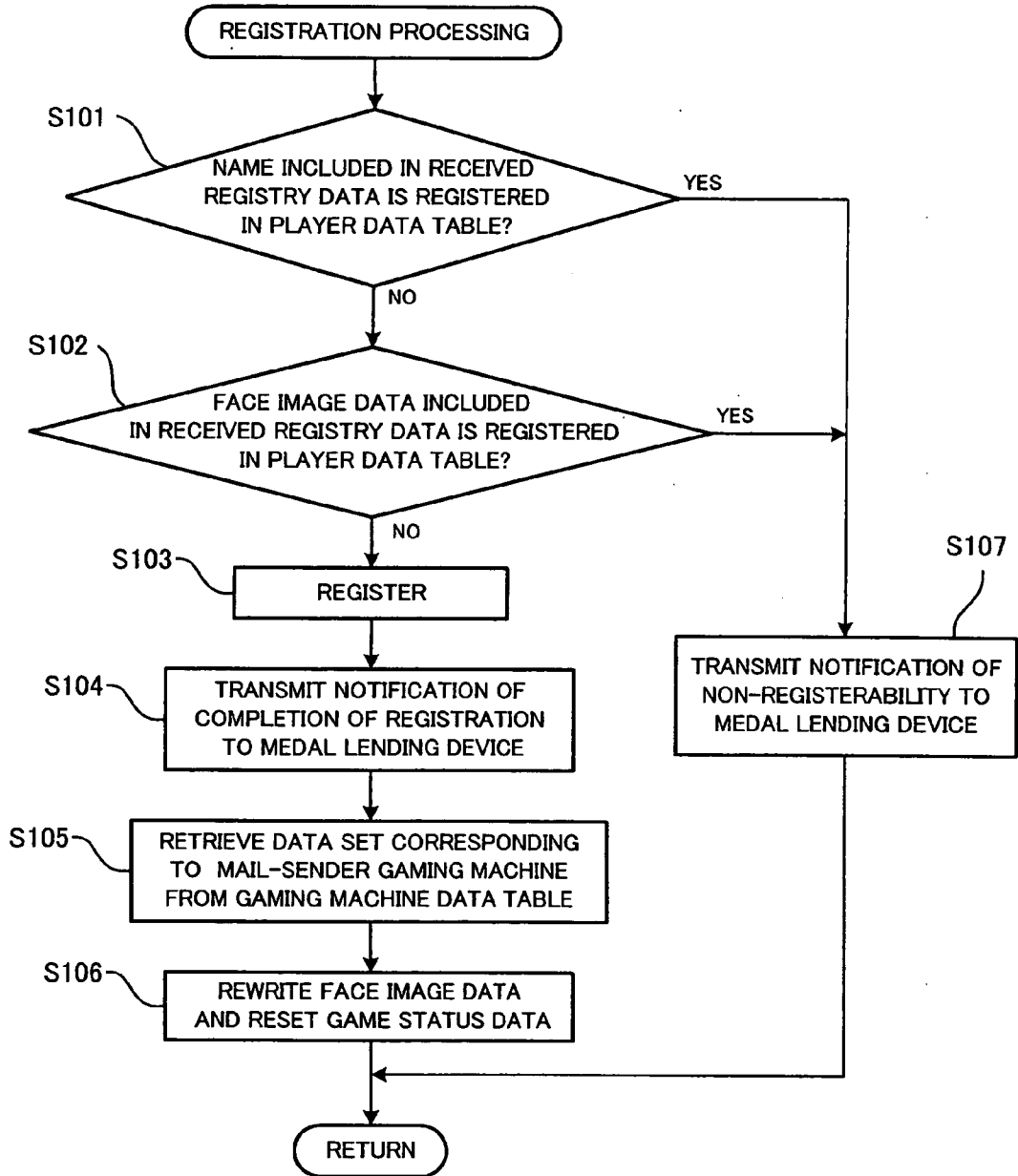


FIG. 22

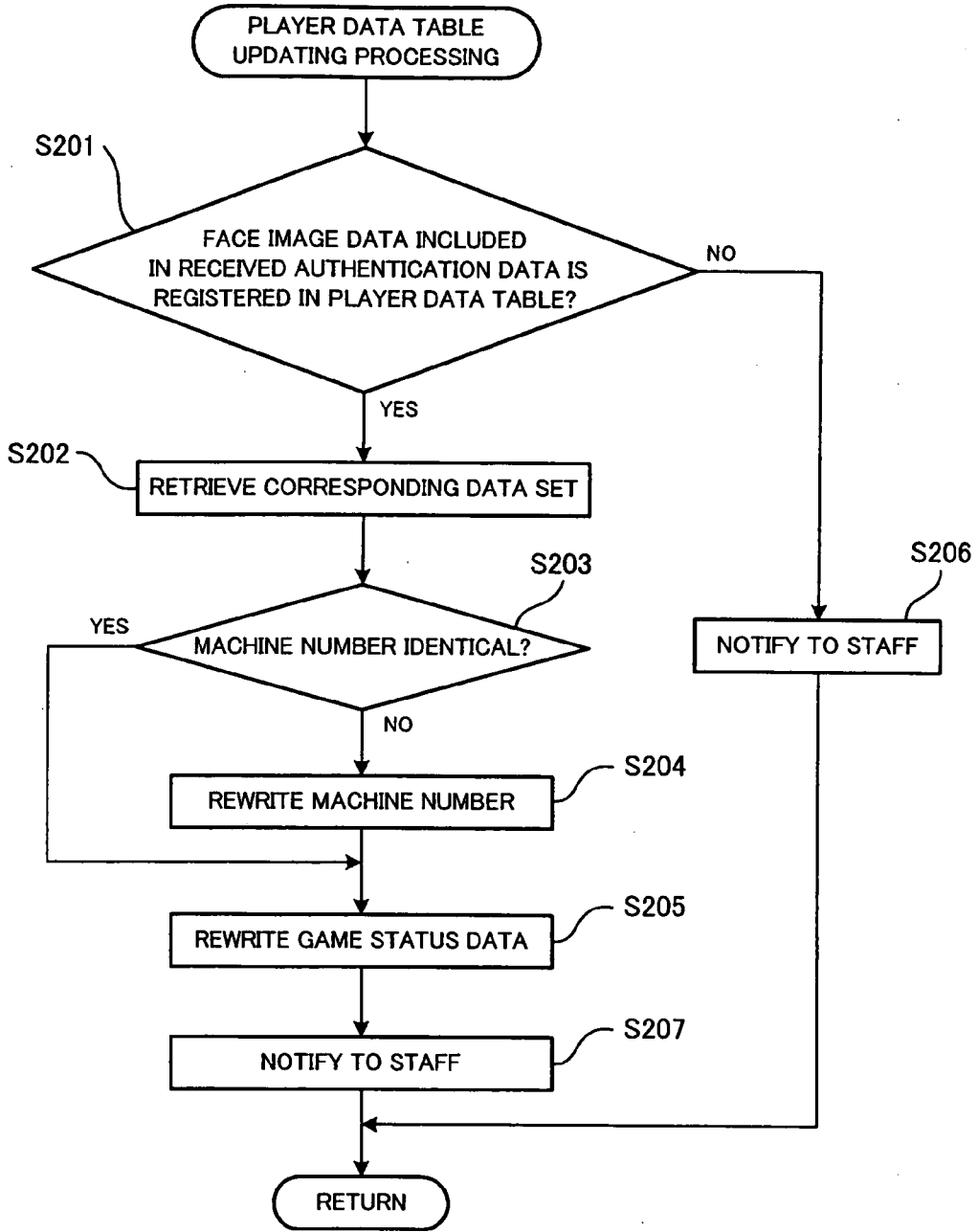


FIG. 23

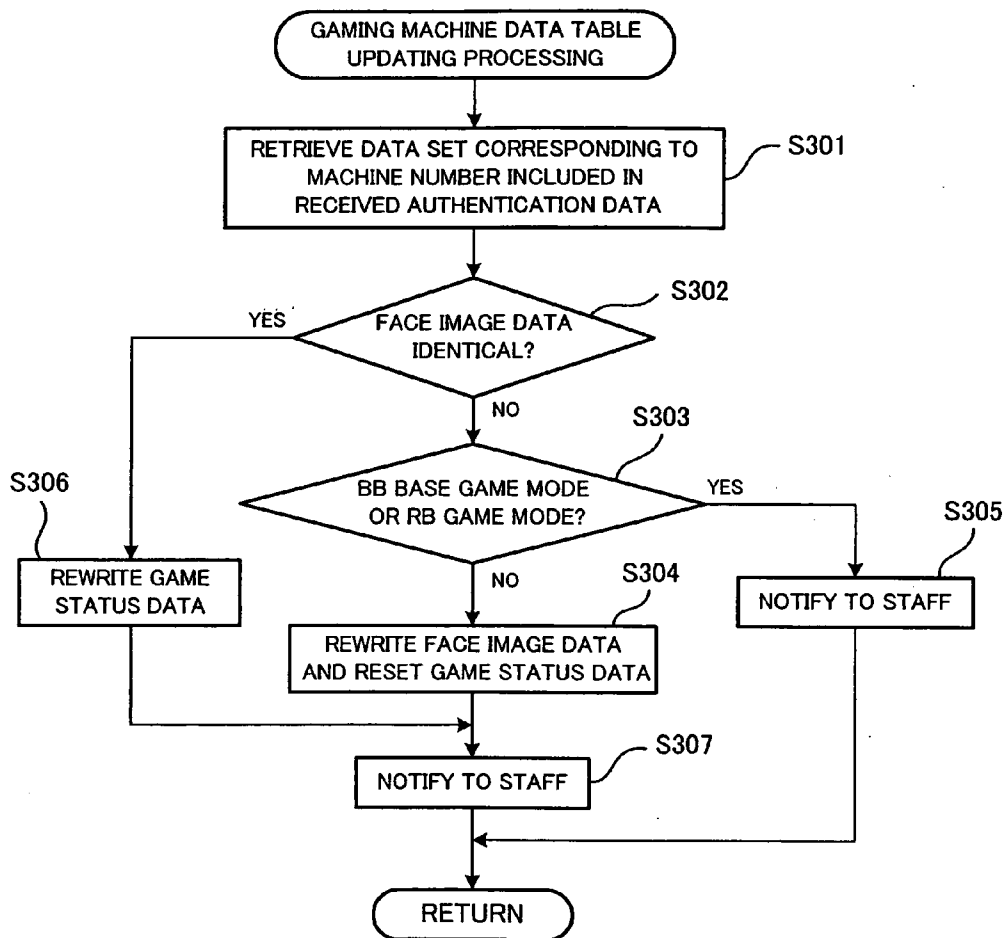


FIG. 24

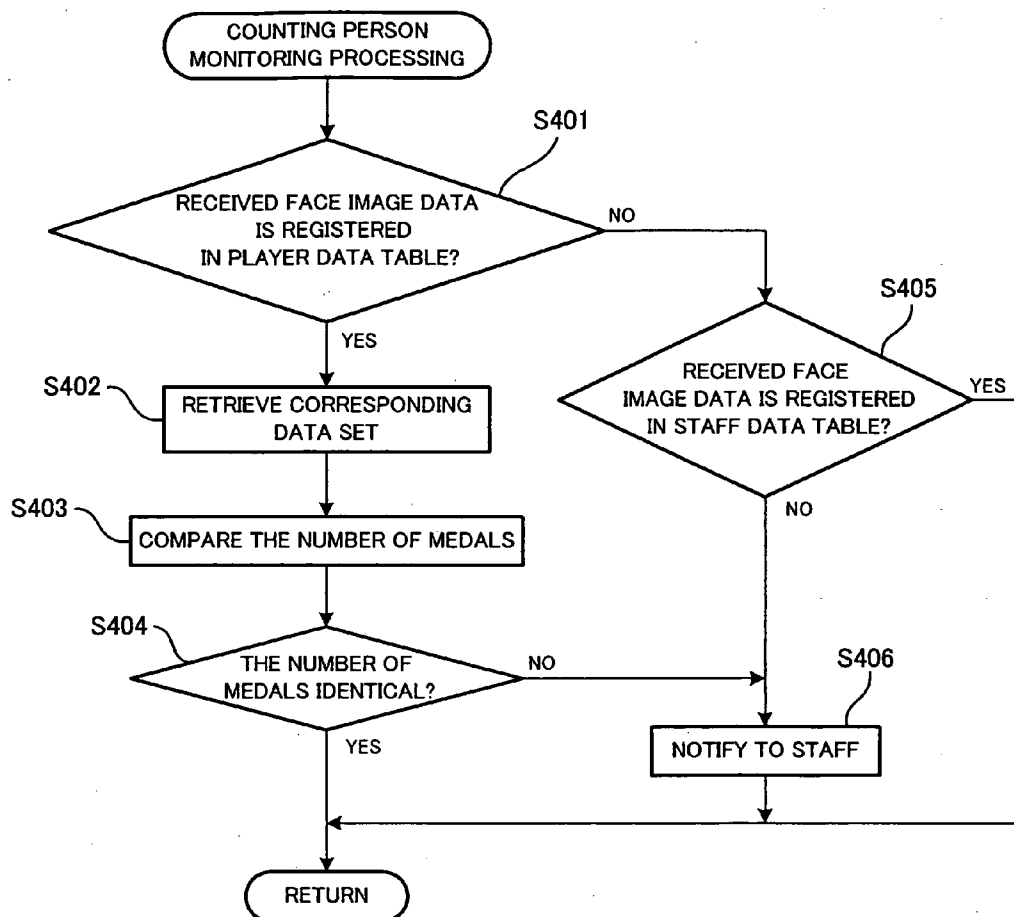


FIG. 25

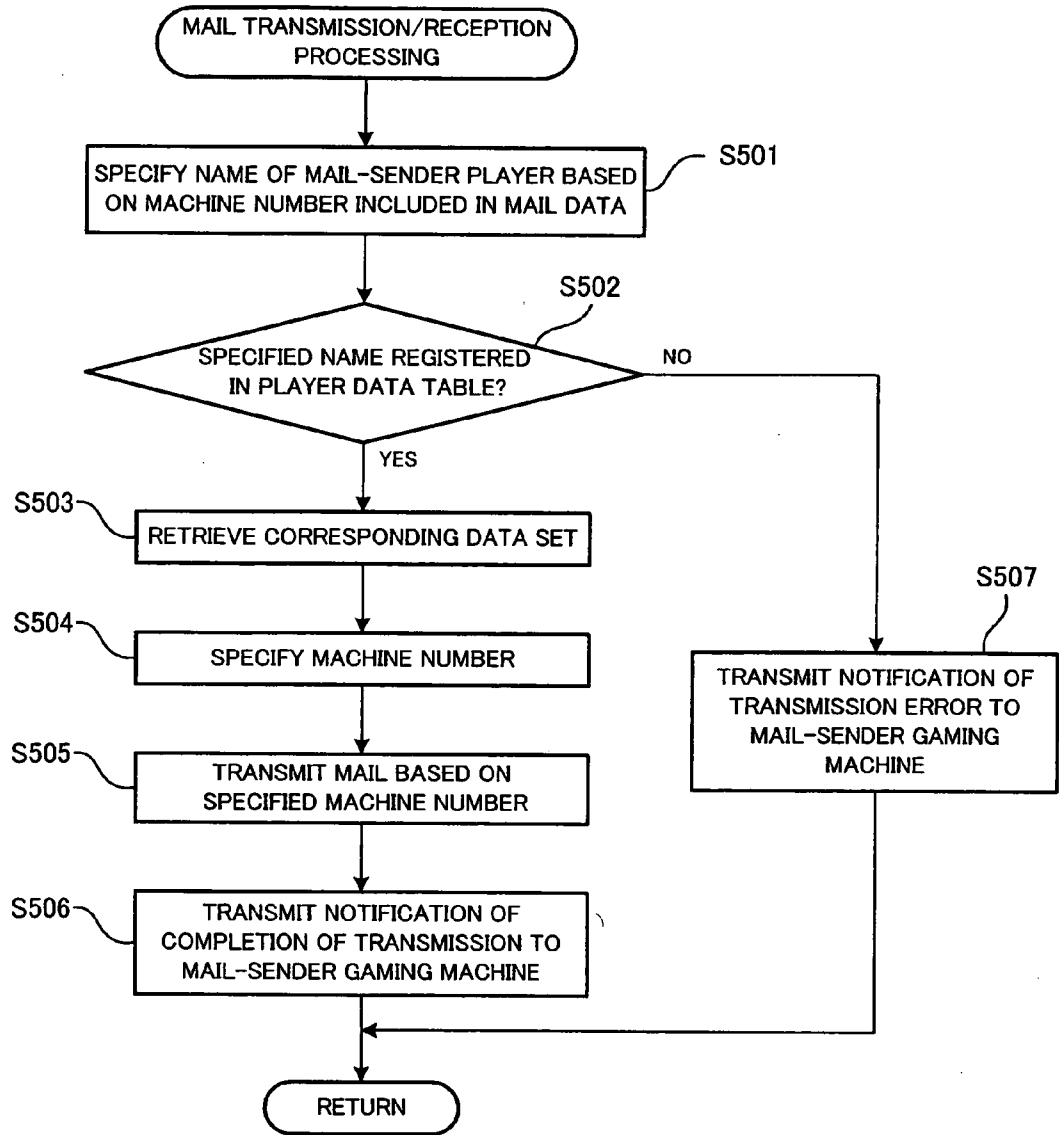
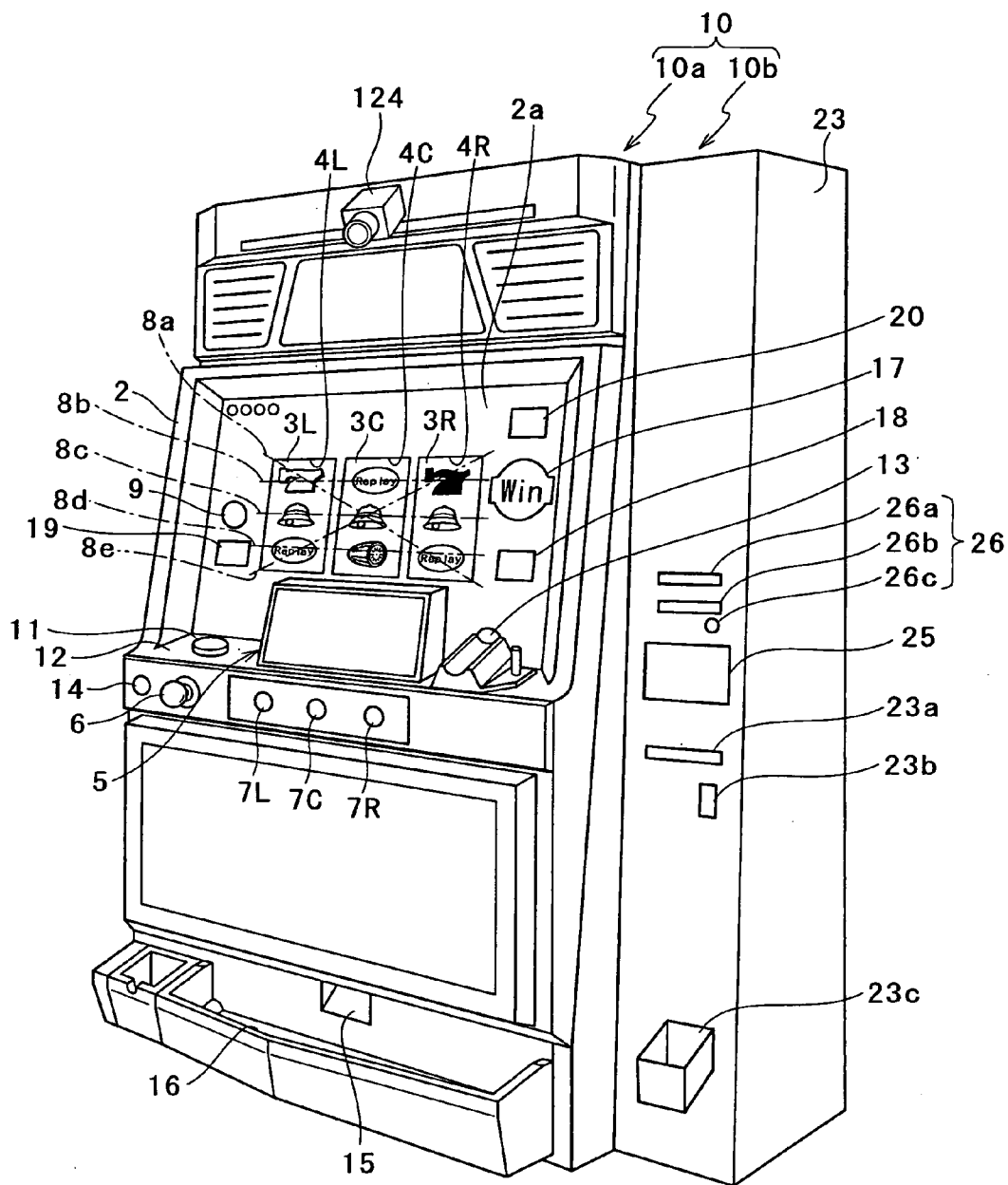


FIG. 26



SERVER AND GAME SYSTEM

CROSS REFERENCE TO RELATED APPLICATION

[0001] This application is based upon and claims the benefit of priority from the prior Japanese Patent Applications No. 2005-158415, filed on May 31, 2005 and No. 2005-158416, filed on May 31, 2005, the entire contents of which are incorporated herein by reference.

BACKGROUND OF THE INVENTION

[0002] 1. Field of the Invention

[0003] The present invention relates to a server that is data-communicably connected to respective gaming machines such as a pachislot machine, a pinball machine, and the like in which variably-displayed symbols can be stopped by a player's operation, and also relates to a game system that includes the server and the gaming machines.

[0004] 2. Description of Related Art

[0005] Some gaming machines such as a pachislot machine, a pinball machine, and the like have various functions in order to prevent a player from getting tired during a game. For example, Japanese Patent Unexamined Publication No. 9-290068 discloses a gaming machine that has a liquid crystal television so that a player can watch a TV program or collect various information while sitting in a chair during a game or during a break time.

[0006] In general, a player who has played a game in a gaming machine uses a counter to count a game value of medals or the like he/she has acquired from the gaming machine, and a ticket on which a result of counting is recorded is issued. The player brings the ticket to a prize-exchanging booth, where he/she can get a prize in accordance with the number of medals acquired. However, some people dishonestly bring medals in from outside and counts the medals with the counter, for the purpose of obtaining a prize. In order to prevent such fraud, a fraud prevention system is proposed for example in Japanese Patent Unexamined Publication No. 2001-224830. This system utilizes a member's card owned by each player, for comparing the number of medals paid out from a gaming machine with the number of medals counted by a counter, thereby determining whether any fraud is occurring or not.

SUMMARY OF THE INVENTION

[0007] Sometimes, a group of players come to a game arcade and play games. When these players use gaming machines that include the above-mentioned liquid crystal television, each individual player can watch a TV program or collect various information by himself/herself, but he/she cannot communicate with the other players, for example, for the purpose of sharing information about games. This gives a player a sense of coming to the game arcade and playing a game alone, although he/she has come to the game arcade with other persons. For this reason, it is desired that players can communicate with each other. It may be possible to give a gaming machine a function to communicate with other gaming machines so that players can communicate with each other. In this case, however, a player has to know which gaming machine his/her communicates is using in order to designate the gaming machine. However, a player does not

stay at one gaming machine but often moves to a different gaming machine in accordance with game results, and therefore it is difficult that a player always knows which gaming machine his/her communicatee is using. In addition, a player cannot concentrate on a game while exerting an effort to always know which gaming machine his/her player is using now.

[0008] The above-mentioned fraud prevention system forces all players to carry their own member's cards. Therefore, the players must always carry their member's cards while moving from one gaming machine to another. In addition, this system causes inconvenience to a player, because it requires an operation of a player, such as inserting his/her member's card into a gaming machine. Moreover, a manager of a game arcade must keep monitoring whether each member's card is carried by an appropriate person or not. This is burdensome to the manager.

[0009] An object of the present invention is to provide a server and a game system that enable a player to transmit and receive a mail to and from another player even though the player does not know a place of another player.

[0010] Another object of the present invention is to provide a server and a game system that can, without requiring a monitoring by a manager of a game arcade, prevent fraud in a counter for counting a game value.

[0011] According to a first aspect of the present invention, there is provided a server that is data-communicably connected to respective gaming machines and enables a mail transmission and reception among the gaming machines. Each of the gaming machines has an imaging unit that images a player and an input unit through which the player inputs his/her identification data item. The server comprises a storage, a first determination unit, a second determination unit, a rewriting unit, a mail reception unit, and a mail transmission unit. The storage rewritably stores therein a player image data item resulting from an imaging by the imaging unit, a specifying data item that specifies each of the gaming machines, and the identification data item, in such a manner that these data items are associated with one another. The first determination unit determines, upon every imaging by the imaging unit, whether a player image data item resulting from the imaging has been stored in the storage or not. When the first determination unit determines that the player image data item resulting from the imaging has been stored in the storage, the second determination unit determines whether or not a specifying data item associated with the player image data item in the storage is identical to a specifying data item received, upon every imaging by the imaging unit, from a gaming machine that has the imaging unit. When the second determination unit determines that the specifying data items are not identical, the rewriting unit rewrites the specifying data item associated with the player image data item in the storage into the specifying data item received from the gaming machine. The mail reception unit receives from any of the gaming machines a mail addressed to the identification data item. The mail transmission unit transmits the mail based on a specifying data item stored in the storage and associated with the identification data item to which the mail is addressed.

[0012] According to a second aspect of the present invention, there is provided a game system that includes gaming machines and a server data-communicably connected to the

respective gaming machines, and enables a mail transmission and reception among the gaming machines. Each of the gaming machines comprises a specifying data item storage, an imaging unit, a player image data item generation unit, an output unit, an input unit, a mail preparation unit, a mail transmission unit. The specifying data item storage stores therein a specifying data item for specifying the gaming machine itself. The imaging unit images a player. The player image data item generation unit generates a player image data item based on a result of an imaging by the imaging unit. The output unit outputs the player image data item generated by the player image data item generation unit together with the specifying data item. Through the input unit, a player inputs his/her identification data item. The mail preparation unit prepares a mail addressed to an identification data item of another player. The mail transmission unit transmits the mail prepared by the mail preparation unit. The server comprises a first reception unit, a second reception unit, a storage, a first determination unit, a second determination unit, a rewriting unit, a mail reception unit, and a mail transmission unit. The first reception unit receives the player image data item and the specifying data item outputted from the output unit. The second reception unit receives the identification data item inputted through the input unit. The storage rewritably stores therein the player image data item, the specifying data item, and the identification data item, in such a manner that these data items are associated with one another. The first determination unit determines whether the player image data item received by the first reception unit has been stored in the storage or not. When the first determination unit determines that the player image data item has been stored in the storage, the second determination unit determines whether or not a specifying data item associated with the player image data item in the storage is identical to the specifying data item received by the first reception unit together with the player image data item. When the second determination unit determines that the specifying data items are not identical, the rewriting unit rewrites the specifying data item associated with the player image data item in the storage into the specifying data item received from the gaming machine. The mail reception unit receives from any of the gaming machines a mail addressed to the identification data item. The mail transmission unit transmits the mail based on a specifying data item stored in the storage and associated with the identification data item to which the mail is addressed.

[0013] In the first and second aspects, in a case where the player image data item resulting from the imaging by the imaging unit has already been stored in the storage and in addition the specifying data item associated with the player image data item in the storage is not identical to the specifying data item received from a gaming machine that has the imaging unit, the specifying data item stored in the storage is rewritten. That is, each time the player changes the gaming machine, contents of the storage are accordingly rewritten. Then, when a mail which is addressed to an identification data item is transmitted to the server, the server transmits the mail based on a specifying data item stored in the storage and associated with the identification data item. Accordingly, when a player wants to communicate with another player, he/she does not have to know which gaming machine another player is using now, but has only to transmit a mail addressed to an identification data item, so as to transmit the mail to another player thus communicating

with another player. In addition, a player can concentrate on a game because he/she does not have to exert an effort to always know which gaming machine his/her communicatee is using now.

[0014] According to a third aspect of the present invention, there is provided a server that is data-communicably connected to a plurality of gaming machines each having a player imaging unit that images a player and a payout unit that pays out a game value based on a game result, and also data-communicably connected to a counter having a counting unit that counts the game value and a counting-person imaging unit that images a counting person. The server comprises a storage, a retrieval unit, and a first notification unit. The storage stores therein a player image data item resulting from an imaging by the player imaging unit. The retrieval unit retrieves from the storage a player image data item that is identical to a counting-person image data item resulting from an imaging by the counting-person imaging unit. The first notification unit notifies a result of retrieval made by the retrieval unit.

[0015] According to a fourth aspect of the present invention, there is provided a game system that includes a plurality of gaming machines each paying out a game value based on a game result, a counter counting the game value, and a server data-communicably connected to the respective gaming machines and the counter. Each of the gaming machines comprises a player imaging unit, a player image data item generation unit, and a player image data item transmission unit. The player imaging unit images a player. The player image data item generation unit generates a player image data item based on a result of an imaging by the player imaging unit. The player image data item transmission unit transmits, to the server, the player image data item generated by the player image data item generation unit. The counter comprises a counting-person imaging unit, a counting-person image data item generation unit, and a counting-person image data item transmission unit. The counting-person imaging unit images a counting person. The counting-person image data item generation unit generates a counting-person image data item based on a result of an imaging by the counting-person imaging unit. The counting-person image data item transmission unit transmits, to the server, the counting-person image data item generated by the counting-person image data item generation unit. The server comprises a player image data item reception unit, a storage, a counting-person image data item reception unit, a retrieval unit, and a notification unit. The player image data item reception unit receives the player image data item transmitted by the player image data item transmission unit. The storage stores therein the player image data item received by the player image data item reception unit. The counting-person image data item reception unit receives the counting-person image data item transmitted by the counting-person image data item transmission unit. The retrieval unit retrieves from the storage a player image data item that is identical to the counting-person image data item received by the counting-person image data item reception unit. The notification unit notifies a result of retrieval made by the retrieval unit.

[0016] In the third and fourth aspects, a player who is playing a game is imaged, and a player image data item is stored in the storage. Determined is whether a player image data item identical to a counting-person image data item

obtained by imaging a counting person is stored in the storage or not. Thereby, whether a counting person who is counting game values on the counter has actually played a game in a gaming machine or not can be determined. Accordingly, even though, for example, a game value acquired by a player is brought out by a dishonest stranger who then attempts counting the game value on the counter, whether this person is counting a game value he/she has acquired by himself/herself as a result of actually playing a game or not can be determined. This can prevent fraud in a counter, without requiring a monitoring by a manager of a game arcade.

BRIEF DESCRIPTION OF THE DRAWINGS

[0017] Other and further objects, features and advantages of the invention will appear more fully from the following description taken in connection with the accompanying drawings in which:

[0018] **FIG. 1** schematically illustrates a game system according to an embodiment of the present invention;

[0019] **FIG. 2** is a perspective view of a gaming machine that is included in the game system of **FIG. 1**;

[0020] **FIG. 3** is a perspective view of a counter that is included in the game system of **FIG. 1**;

[0021] **FIG. 4** is a block diagram showing an electrical construction of the gaming machine of **FIG. 2**;

[0022] **FIG. 5** is a block diagram showing an electrical construction of the counter of **FIG. 3**;

[0023] **FIG. 6** is a block diagram showing an electrical construction of a hall computer that is included in the game system of **FIG. 1**;

[0024] **FIG. 7** schematically illustrates a demo screen that is displayed on a liquid crystal monitor which is mounted on a medal lending device included in the gaming machine;

[0025] **FIG. 8** schematically illustrates a register screen that is displayed on the liquid crystal monitor;

[0026] **FIG. 9A** is a schematic view in which completion of registration is being notified;

[0027] **FIGS. 9B and 9C** are schematic views in which non-registerability is being notified;

[0028] **FIG. 10A** schematically illustrates a mail preparation screen that is displayed on the liquid crystal monitor;

[0029] **FIG. 10B** is a schematic view in which completion of transmission of a mail is being notified;

[0030] **FIG. 10C** is a schematic view in which non-transmittability of a mail is being notified;

[0031] **FIG. 11** schematically illustrates a player data table that is stored in the hall computer;

[0032] **FIG. 12** schematically illustrates a gaming-machine data table that is stored in the hall computer;

[0033] **FIG. 13** schematically illustrates a staff data table that is stored in the hall computer;

[0034] **FIG. 14** is a flowchart showing a main routine executed by a main body of the gaming machine;

[0035] **FIG. 15** is a flowchart showing a main routine executed by the medal lending device;

[0036] **FIG. 16** is a flowchart showing a registration processing that is executed in the main routine of the medal lending device;

[0037] **FIG. 17** is a flowchart showing a mail transmission processing that is executed in the main routine of the medal lending device;

[0038] **FIG. 18** is a flowchart showing a player authentication processing that is executed by the medal lending device;

[0039] **FIG. 19** is a flowchart showing a main routine executed by the counter;

[0040] **FIG. 20** is a flowchart showing a main routine executed by the hall computer;

[0041] **FIG. 21** is a flowchart showing a registration processing that is executed in the main routine of the hall computer;

[0042] **FIG. 22** is a flowchart showing a player data table updating processing that is executed in the main routine of the hall computer;

[0043] **FIG. 23** is a flowchart showing a gaming-machine data table updating processing that is executed in the main routine of the hall computer;

[0044] **FIG. 24** is a flowchart showing a counting person monitoring processing that is executed in the main routine of the hall computer;

[0045] **FIG. 25** is a flowchart showing a mail transmission/reception processing that is executed in the main routine of the hall computer; and

[0046] **FIG. 26** is a perspective view of an exemplified gaming machine that has a CCD camera provided on its main body.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0047] In the following, a certain preferred embodiment of the present invention will be described with reference to the accompanying drawings.

[0048] First, a game system **100** according to an embodiment of the present invention will be described with reference to **FIG. 1**. The game system **100** includes gaming machines **10**, counters **30**, and a hall computer **40**. The gaming machines **10** and the counters **30** are placed in a hall **101** which is a game arcade. Each of the gaming machines **10** gives a player **103** a game value based on a game result. The counter **30** counts medals which serve as game values. The hall computer **40** corresponds to a "server" of the present invention, and is placed in a monitor room **102** which only a staff **105**, as a manager of the hall **101**, is allowed to enter. The hall computer **40** is, by cables and hubs (not shown), connected to each of the gaming machines **10** and the counters **30** so that data communication can be done therebetween.

[0049] The gaming machine **10** is a pachislot machine in which variably-displayed symbols can be stopped due to an

operation made by the player 103. A medal serves as the game value in this embodiment.

[0050] Each of the gaming machines 10 has a main body 10a and a medal lending device 10b which are formed as a unit and placed adjacent to each other as shown in FIG. 2. The player 103 (see FIG. 1) buys medals from the medal lending device 10b, and plays a game on the main body 10a using the medals. The medal lending device 10b corresponds to a “game media lending device” of the present invention.

[0051] The main body 10a of the gaming machine 10 will be described with reference to FIGS. 2 and 4.

[0052] As shown in FIG. 2, the main body 10a has a cabinet 2 that constitutes a whole of the main body 10a. On the front face of the cabinet 2, a main display 2a that substantially extends in a vertical direction is provided. At the center of the main display 2a, display windows 4L, 4C, and 4R each having a rectangular shape elongated in the vertical direction are provided. Each of the display windows 4L, 4C, and 4R shows, among symbols arranged on each of reels 3L, 3C, and 3R, three symbols lined in the vertical direction, so that a total of nine symbols are displayed. Pay lines are defined in the display windows 4L, 4C, and 4R. The pay lines include a top line 8b, a center line 8c, and a bottom line 8d which are extending in a horizontal direction, and a cross-down line 8a and a cross-up line 8e which are extending in an oblique direction.

[0053] The top line 8b is defined through top sections of the respective display windows 4L, 4C, and 4R. The center line 8c is defined through center sections of the respective display windows 4L, 4C, and 4R. The bottom line 8d is defined through bottom sections of the respective display windows 4L, 4C, and 4R. The cross-down line 8a is defined through the top section of the display window 4L, the center section of the display window 4C, and the bottom section of the display window 4R. The cross-up line 8e is defined through the bottom section of the display window 4L, the center section of the display window 4C, and the top section of the display window 4R. These five pay lines are activated, when a BET button 11 which will be described later is pressed or when three medals are inserted into a medal insertion slot 13. In the following, a pay line that is activated will be referred to as an activated line.

[0054] The pay lines 8a to 8e are related to a win. To be more specific, a win is made when a certain symbol, for example an “Upper Chili” symbol for a “small win of Upper Chili”, is stopped at a predetermined position on any activated line or when a predetermined combination of symbols are stopped at predetermined positions on any activated line.

[0055] Within the cabinet 2, three rotatable reels 3L, 3C, and 3R are provided side by side in a widthwise direction. A column of symbols are arranged on an outer surface of each of the reels 3L, 3C, and 3R. The column includes symbols that are assigned code numbers of “00” to “20”, respectively. More specifically, the column includes symbols of “Red 7”, “Blue 7”, “Lower Chili”, “Bell”, “Watermelon”, “Replay”, and “Upper Chili”. As described above, symbols arranged on the respective reels 3L, 3C, and 3R are visible through the display windows 4L, 4C, and 4R. The reels 3L, 3C, and 3R are rotated at a constant speed, for example at 80 rpm. The “Red 7” symbol and the “Blue 7” symbol included in the column form a bonus win. Here, the

bonus win includes a BB (Big Bonus) and an RB (Regular Bonus) which will be detailed later. Hereinafter, the BB and the RB will generally be called a “bonus”.

[0056] A BET lamp 9 and a credit value indicator 19 are provided on the left side of the display windows 4L, 4C, and 4R. When medals are bet for one game, the BET lamp 9 is lighted up. The one game gets over when all the reels stop rotating. The credit value indicator 19 having a 7-segment LED indicates the number of medals credited in the main body 10a.

[0057] A WIN lamp 17 and a number-of-acquired-medals indicator 18 are provided on the right side of the display windows 4L, 4C, and 4R. After it is determined that a bonus can be made, and before the bonus is actually made, the WIN lamp 17 stays lighted up. The number-of-acquired-medals indicator 18 having a 7-segment LED indicates the number of medals acquired in accordance with a win.

[0058] A number-of-bonus-game indicator 20 is provided on the upper side of the WIN lamp 17. The number-of-bonus-games indicator 20 having a 7-segment LED indicates the number of games that are played in a BB base game mode or an RB game mode which will be described later. The BB base game mode and RB game mode will generally be called a “bonus game mode”.

[0059] A control panel 12 in the form of a horizontal plane is provided on the lower side of the display windows 4L, 4C, and 4R. At the center of the control panel 12, there is provided a liquid crystal display 5 that displays a presentation image or the like. The medal insertion slot 13 is provided on the right side of the liquid crystal display 5. An inserted-medal sensor 13S is provided in the medal insertion slot 13 (see FIG. 4). The inserted-medal sensor 13S senses an inserted medal. The BET button 11 is provided on the left side of the liquid crystal display 5. When the BET button 11 is pressed once, the five pay lines 8a to 8e are activated and at the same time three of the credited medals are bet for a next game.

[0060] In a left-side part of the front face of the cabinet 2 and below the control panel 12, there is provided a C/P button 14 that switchingly commands crediting and payout of medals acquired in a game. When the C/P button 14 commands payout of medals, the medals are paid out through a medal payout opening 15 which is provided in a lower part of the front face of the cabinet 2. The medals thus paid out are received in a medal tray 16.

[0061] On the right side of the C/P button 14, a start lever 6 which can rotate within a predetermined range of angles is provided. In accordance with an operation made by the player 103, the start lever 6 outputs to a controller 60 of the main body 10a (see FIG. 4) a command signal for starting a game. The controller 60, which has thus received the command signal for starting a game, starts rotating the reels 3L, 3C, and 3R so that symbols are variably displayed within the display windows 4L, 4C, and 4R.

[0062] On the right side of the start lever 6 and below the liquid crystal display 5, there is provided three stop buttons 7L, 7C, and 7R that stop rotation of the reels 3L, 3C, and 3R, respectively.

[0063] The controller 60 (see FIG. 4) controlling the main body 10a is formed of a microcomputer, and includes a CPU

(Central Processing Unit) 61, a RAM (Random Access Memory) 62, a ROM (Read Only Memory) 63, and a communicator 64. The ROM 63 stores therein a program shown in FIG. 14, data, and the like. The RAM 62 temporarily stores therein data to be used while the program is being executed, and the like. The CPU 61 enables execution of the program stored in the ROM 63. The communicator 64 enables data communication with a controller 70 of the medal lending device 10b.

[0064] The controller 60 is connected to and receives input signals, which reflect various operations made by the player 103, from components including the start lever 6, the stop buttons 7L, 7C, 7R, the BET button 11, the C/P button 14, and the inserted-medal sensor 13S, and then generates control commands to the components. The controller 60 is connected also to the reels 3L, 3C, 3R and a hopper 69 that functions as a payout unit, and controls them in accordance with input signals from them or game modes.

[0065] To be more specific, when the start lever 6 is operated the controller 60 rotates the reels 3L, 3C, and 3R, and when the stop buttons 7L, 7C, and 7R are pressed the controller 60 correspondingly stops the reels 3L, 3C, and 3R, respectively. When receiving from the C/P button 14 a command to pay out medals, the controller 60 drives the hopper 69 so as to pay out medals through the medal payout opening 15. When the number of medals that have been paid out by the hopper 69 reaches a predetermined number, the controller 60 receives a medal payout completion signal from the hopper 69 and then stops the hopper 69. Here, the predetermined number means a value indicated by the credit value indicator 19. When the BET button 11 is pressed, the controller 60 activates the pay lines 8a to 8e and at the same time bets three of the credited medals for a next game. Also, when receiving from the inserted-medal sensor 13S a detection signal for the three medals inserted into the medal insertion slot 13, the controller 60 activates the pay lines 8a to 8e and at the same time bets the inserted three medals for a next game. When receiving from the reels 3L, 3C, and 3R positional signals, the controller 60 detects symbols placed on the activated lines in accordance with the signals, and then determines whether a win is made or not based on the combination of the symbols.

[0066] The controller 60 is further connected to the BET lamp 9, the WIN lamp 17, the number-of-acquired-medals indicator 18, the credit value indicator 19, the number-of-bonus-games indicator 20, and the liquid crystal display 5. Depending on game modes and the like, the controller 60 supplies these components with drive signals so as to light up the lamps 9 and 17, change what are indicated by the indicators 18, 19, and 20, display presentation images on the liquid crystal display 5, and so on.

[0067] A clock-pulse generating circuit, a frequency divider, a random number generator, and a sampling circuit are connected to the CPU 61 of the controller 60. The clock-pulse generating circuit generates a reference clock pulse. The random number generator generates random numbers within a predetermined range of values. At a good timing after the start lever 6 is operated, the sampling circuit samples one out of the random numbers generated by the random number generator. The CPU 61 determines an internal win based on the random number thus sampled by the sampling circuit and on a probability lottery table which

is stored in the ROM 63. Here, the internal win means a win which can be made at the end of a game.

[0068] The controller 60 transmits game status data via the communicator 64 to the controller 70 of the medal lending device 10b and further transmitted to the hall computer 40. The game status data includes data concerning the present game mode and the number of medals that have been paid out by the hopper 69 of the gaming machine 10. When receiving a game start permission signal from the controller 70 of the medal lending device 10b via the communicator 64, the controller 60 controls the main body 10a so as to enable a game to start.

[0069] The gaming machine 10 presents three modes of a "base game mode", an "RB game mode", and a "BB base game mode". These three game modes differ in types of the internal win, probabilities of an internally win of a replay, types of bonuses which can be made, relationship between the internal win and determination of a win, and the like. A game mode shifts from one mode to another when, for example, a predetermined combination of symbols stops on the pay line.

[0070] A player wins the BB, under a condition that a combination of "Blue 7-Blue 7-Blue 7" or "Red 7-Red 7-Red 7" appears on the activated line in the base game mode. When the BB is won, the game mode shifts from the base game mode to the BB base game mode. A player wins the RB, under a condition that a combination of "Red 7-Red 7-Blue 7" appears on the activated line in the base game mode or under a condition that a combination of "Replay-Replay-Replay" appears on the activated line in the BB base game mode. Winning the RB in the BB base game mode is generally called "JACIN". When the RB is won, the game mode shifts to the RB game mode.

[0071] A player wins a replay, under a condition that a combination of "Replay-Replay-Replay" appears on the activated line in the base game mode. When a replay is won, medals, the number of which is the same as the number of inserted medals, are automatically bet, so that the player 103 can play a next game without using his/her medals. In the base game mode and the BB base game mode, a "small win of Upper Chili", a "small win of Lower Chili", a "small win of Bell", and a "small win of Watermelon" can be made. That is, wins which can be made in the base game mode is the BB, the RB, the replay, the small win of Bell, the small win of Watermelon, the small win of Upper Chili, and the small win of Lower Chili. When the replay is won in the base game mode, no medal is acquired. However, when the BB, the RB, the small win of Bell, the small win of Watermelon, the small win of Upper Chili, and the small win of Lower Chili are made in the base game mode, the player acquires 15 medals, 15 medals, 10 medals, 3 medals, 1 medal, and 7 medals, respectively.

[0072] In the RB game mode, a win is made under a condition that a combination of "Replay-Replay-Replay", "Red 7-Replay-Replay", or "Blue 7-Replay-Replay" appears on the activated line in the base game mode. A game played in the RB game mode is generally called a "JAC game".

[0073] Next, the medal lending device 10b which is included in the gaming machine 10 will be described with reference to FIGS. 2 and 4.

[0074] As shown in FIG. 2, the medal lending device 10b is placed adjacent to and formed as a unit with the main body 10a of the gaming machine. The medal lending device 10b has a cabinet 23 whose shape is substantially rectangular parallelepiped and whose width is smaller than that of the cabinet 2 of the main body 10a. The medal lending device 10b is controlled by a controller 70 (see FIG. 4) placed within the cabinet 23.

[0075] On a front face of the cabinet 23, there are provided a bill insertion slot 23a substantially at the center, a coin insertion slot 23b on the lower side of the bill insertion slot 23a, and a medal tray 23c in a lower part. A bill sensor 231 and a coin sensor 232 are provided in the bill insertion slot 23a and in the coin insertion slot 23b, respectively. The bill sensor 231 detects an inserted bill and the coin sensor detects an inserted coin. The bill sensor 231 and the coin sensor 232 are connected to and transmit inserted-amount detection signal to the controller 70 when detecting a bill and a coin, respectively. A medal payout unit 233, which is provided inside the cabinet 23, is also connected to the controller 70. The controller 70 drives the medal payout unit 233 based on the inserted-amount detection signal received from the bill sensor 231 and/or coin sensor 232, so as to pay out a predetermined number of medals into the medal tray 23c.

[0076] A CCD camera 24, which is provided in an upper front part of the cabinet 23, functions as an "imaging unit" of the present invention, and images the playing player 103 who is sitting in front of the main body 10a of the gaming machine 10 as shown in FIG. 1. The CCD camera 24 is connected to and constantly transmits captured image data to the controller 70.

[0077] A liquid crystal monitor 25, which is provided substantially at the center of the front face of the cabinet 23, displays screens shown in FIGS. 7, 8, 9A to 9C, and 10A to 10C. Through the liquid crystal monitor 25, the player 103 can register his/her name and face image, and transmit/receive a mail to/from another player 103 who is playing a game in another gaming machine 10, the details of which will be described later. A touch panel is provided over a surface of the liquid crystal monitor 25. The player 103 can input his/her name and prepare a mail by touching the surface of the liquid crystal monitor 25.

[0078] On the front face of the cabinet 23, a card processing unit 26 is provided above the liquid crystal monitor 25. The card processing unit 26 includes a card issuing slot 26a that issues an ID card (not shown), a card insertion slot 26b into which the ID card can be inserted, and a card eject button 26c that ejects the ID card inserted into the card insertion slot 26b. The ID card has an IC chip storing data therein. When the player 103 has completed a later-described registration processing, the ID card having registry data stored in its IC chip is issued out through the card issuing slot 26a. The registry data includes a name and face image data of the player 103.

[0079] The CCD camera 24, the liquid crystal monitor 25, and the card processing unit 26 are connected to and controlled by the controller 70.

[0080] The controller 70 controlling the medal lending device 10b is formed of a microcomputer, and includes a CPU 71, a RAM 72, a ROM 73, and a communicator 74. The ROM 73 stores therein programs shown in FIGS. 15 to 18,

machine numbers that specify the respective gaming machine 10, and the like. The machine number corresponds to a "specifying data item" of the present invention. The RAM 72 temporarily stores therein data to be used while the programs are being executed, game status data transmitted from the main body 10a of the gaming machine, registry data read out of the ID card, and the like. The CPU 71 enables execution of the programs stored in the ROM 73. The communicator 74 enables data communication with the controller 60 of the main body 10a of the gaming machine and data communication with the hall computer 40.

[0081] Here, a description will be given to a screen displayed on the liquid crystal monitor 25. As shown in FIGS. 7 and 8, a screen displayed on the liquid crystal monitor 25 is divided into a function select area 251a and a main area 251b. In the function select area 251a, a "DEMO" button 252a, a "REGISTER" button 252b, and a "MAIL" button 252c are displayed so that a player can select them. As described above, the touch panel is provided over the surface of the liquid crystal monitor 25. Therefore, when a player touches the buttons 252a to 252c, signals corresponding to the respective buttons are outputted.

[0082] When the player 103 touches the "DEMO" button 252a or when the other buttons 252b and 252c are kept un-operated for a predetermined period of time, a demo screen shown in FIG. 7, which, for example, gives a presentation using a character 253 or shows information about the hall 101, is displayed in the main area 251b.

[0083] When the player 103 touches the "REGISTER" button 252b, a register screen shown in FIG. 8 is displayed in the main area 251b. Before the player 103 plays a first game in the hall 101, he/she registers his/her name as an "identification data item" and face image data as a "player image data item" via the register screen.

[0084] In the register screen, a character input screen 254a is displayed in a left part of the main area 251b. The character input screen 254a shows selectable keys including alphabet keys and an "ENTER" key.

[0085] An instruction screen, which shows a name field 254b, an "OK" button 254c, and a "SHOOT" button 254d, is displayed in a right part of the main area 251b. The name field 254b indicates a name of the player 103 which has been inputted through the keys in the character input screen 254a. The "SHOOT" button 254d is displayed in an unselectable mode until the "OK" button 254c is touched. That is, the "SHOOT" button 254d becomes selectable, only after the player 103 inputs his/her name through the keys of the character input screen 254a, checks the name field 254b for the inputted name, and then touches the "OK" button 254c. When the player 103 touches the "SHOOT" button 254d, the CCD camera 24 is driven to shoot the player 103.

[0086] After a shooting, the name of the player 103 thus inputted, and his/her face image data obtained from the shooting are, together with the machine number which is stored in the ROM 73 of the controller 70, transmitted to the hall computer 40. Then, a screen of FIG. 9A, 9B, or 9C is displayed depending on a notification transmitted from the hall computer 40.

[0087] More specifically, when a registration has properly been completed, a message that the registration has been completed and an ID card has been issued appears as shown

in FIG. 9A. When the inputted name has already been registered by another player 103, a message that the name has already been registered appears as shown in FIG. 9B. When the face image data obtained from the shooting has already been registered, it is determined that the player 103 who is attending to the current registration has already been registered, and therefore a message that the player 103 has already been registered appears as shown in FIG. 9C. After any of the screens of FIGS. 9A to 9C is displayed, the demo screen of FIG. 7 is automatically displayed.

[0088] Thus, no identical name can be registered. If a player 103 tries registering a name which has already been registered by another player, an error message (see FIG. 9B) appears so that he/she can input another name. This enables a mail to be transmitted to a desired player without fail.

[0089] In addition, one player 103 is not allowed double registrations. If an already-registered player 103 tries registering himself/herself again, an error message (see FIG. 9C) appears so that a reliable authentication of the player 103 can be performed.

[0090] When a player 103 touches the "MAIL" button 252c, a mail preparation screen of FIG. 10A is displayed in the main area 251b. Using the mail preparation screen, the player 103 prepares a mail addressed to another player 103 who is playing a game in another gaming machine 10. In the mail preparation screen, a character input screen 255a, which is similar to the character input screen 254a of the register screen is displayed in a left part of the main area 251b. An address field 255b, a message field 255c, and a "TRANSMISSION" button 255d are displayed in a right part of the main area 251b. A destination address is inputted in the address field 255b. Contents of the mail are inputted in the message field 255c. Here, what is inputted in the address field 255b is a name the destination player 103 inputted at the time of registering himself/herself. When the "TRANSMISSION" button 255d is touched, mail data, which includes a machine number of the gaming machine 10 and what have been inputted in the address field 255b and the message field 255c, are transmitted to the hall computer 40.

[0091] The hall computer 40 receives the mail data, and then refers to a later-described player data table, so as to transmit the mail to a gaming machine 10 that corresponds to the name inputted in the address field 255b. When the mail has been transmitted properly, a message that transmission has been completed appears as shown in FIG. 10B, and then the demo screen of FIG. 7 is displayed. In a case where, for example, the name inputted in the address field 255b is not registered in the hall computer 40, the mail is not transmitted. Instead, a message urging the player 103 to review the destination address appears as shown in FIG. 10C. Then, the mail preparation screen of FIG. 10A is displayed again.

[0092] The gaming machine 10 that has received a mail from the hall computer 40 displays on its liquid crystal monitor 25 contents of the mail and a name of a player 103 who transmitted the mail.

[0093] Next, a counter 30 will be described.

[0094] As shown in FIG. 3, the counter 30 has a main body 30a and a ticket issuer 30b which are formed as a unit and placed adjacent to each other. A controller 80 (see FIG.

5) which is provided inside the main body 30a controls the counter 30. The main body 30a has a case-like shape and includes therein a medal receiver 31 and a counting passage (not shown). The medal receiver 31 opens in a top face of the main body 30a. The counting passage aligns medals in the medal receiver 31. A medal sensor 31S is provided in the medal receiver 31 and connected to the controller 80. The medal sensor 31S detects a medal which is passing through the counting passage, and transmits a detection signal to the controller 80. Based on the detection signal thus fed from the medal sensor 31S, the controller 80 counts medals inserted into the medal receiver 31.

[0095] The main body 30a also has, in its upper part, a CCD camera 32, a number-of-inserted-medals indicator 33, and a receipt issuing button 34. The CCD camera 32 shoots a counting person 104 who is using the counter 30. The number-of-inserted-medals indicator 33 indicates the number of all medals inserted. No description will be given to the CCD camera 32, because it has the same construction as that of the above-described CCD camera 24. The CCD camera 32, the number-of-inserted-medals indicator 33, and the receipt issuing button 34 are respectively connected to the controller 80 (see FIG. 5).

[0096] As shown in FIG. 3, the ticket issuer 30b is placed adjacent to and formed as a unit with the main body 30a. The ticket issuer 30b has a case-like shape and a receipt discharge opening 35 provided on a front face thereof. A printing unit 36 (see FIG. 5) that is connected to the controller 80 is provided inside the ticket issuer 30b. The printing unit 36 includes a printing section that performs a printing on a receipt (not shown), and a discharging section that discharges the printed receipt out through the receipt discharge opening 35. Upon a pressing of the receipt issuing button 34, a receipt on which a result of counting is printed is discharged through the receipt discharge opening 35.

[0097] The controller 80 is formed of a microcomputer, and includes a CPU 81, a RAM 82, a ROM 83, and a communicator 84. The ROM 83 stores therein a program shown in FIG. 19, data, and the like. The RAM 82 temporarily stores therein data to be used while the program is being executed, and the like. The CPU 81 enables execution of the program stored in the ROM 83. The communicator 84 enables data communication with the hall computer 40.

[0098] Next, with reference to FIG. 6, a description will be given to an electrical construction of the hall computer 40 which is data-communicably connected to each of the gaming machines 10 and the counters 30.

[0099] A controller 90 of the hall computer 40 is formed of a microcomputer, and includes a CPU 91 that can execute programs shown in FIGS. 20 to 25, a RAM 92, a ROM 93, and a communicator 94. The ROM 93 stores therein programs shown in FIGS. 20 to 25, data, and the like. The RAM 92 temporarily stores therein data to be used while the programs are being executed, and the like. The CPU 91 enables execution of the programs stored in the ROM 93. The communicator 94 enables data communication with the gaming machines 10 and the counters 30.

[0100] An operating unit 95, a display 96, and a mass storage 97 are connected to the controller 90. The operating unit 95 includes a keyboard and a mouse for example, and used for inputting a processing instruction, a name of a staff

105, and the like. The display **96** such as a CRT monitor displays states of the players **103** and states of the gaming machines **10**, and notifies the staff **105** of fraud in accordance with results of processings which will be described later. The storage **97** stores therein a player data table (see **FIG. 11**), a gaming machine data table (see **FIG. 12**), and a staff data table (see **FIG. 13**). The controller **90** retrieves data from the data tables, creates new data, rewrites data, and so on.

[**0101**] As shown in **FIG. 11**, the player data table stores therein data sets respectively corresponding to the players **103** each having completed the registration. Each data set is made up of face image data of a corresponding player **103**, a name of the player **103**, a machine number of a gaming machine **10** the player **103** is using, and game status data. In the player data table, the machine number and the game status data are rewritten in accordance with data received from the gaming machines **10**.

[**0102**] As shown in **FIG. 12**, the gaming machine data table stores therein data sets respectively corresponding to the gaming machines **10**. Each data set is made up of a machine number of a corresponding gaming machine **10**, face image data of a player **103** who is using the gaming machine **10**, and game status data. In the gaming machine data table, the player's face image data and the game status data are rewritten in accordance with data received from the gaming machines **10**.

[**0103**] As shown in **FIG. 13**, the staff data table stores therein data sets respectively corresponding to the staffs **105** who are present in the hall **101**. Each data set is made up of face image data of a corresponding staff **105** and a name of the staff **105**.

[**0104**] Next, operations of the main body **10a** of the gaming machine **10** will be described with reference to **FIG. 14**.

[**0105**] First, the controller **60** of the main body **10a** performs a game-starting initialization (**A1**) to initialize memory contents of the RAM **62**, communication data, and the like. Then, the controller **60** erases predetermined memory contents of the RAM **62** which were stored at the end of a game (**A2**). More specifically, the controller **60** erases data from a "writable area" of the RAM **62** which was used in the previous game, writes a parameter necessary for a next game into the writable area of the RAM **62**, designates a start address for a sequence program of the next game, and the like.

[**0106**] Then, the controller **60** determines whether a game start permission signal is received from the medal lending device **10b** (**A3**). As will be detailed later with reference to **FIG. 18**, the medal lending device **10b** transmits the game start permission signal under a condition that an ID card is inserted into the card insertion slot **26b** and also that face image data stored in the ID card is identical to face image data obtained from a shooting by the CCD camera **24**. When the game start permission signal has not been received (**A3**: NO), the controller **60** waits until it receives the signal. When the game start permission signal has been received (**A3**: YES), the processing proceeds to **A4**.

[**0107**] In **A4**, the controller **60** waits until it receives a signal from the inserted-medal sensor **13S** or the BET button **11**. Then, the controller **60** determines whether the start lever

6 is operated, that is, whether it receives a command signal for starting a game (**A5**). The controller **60** waits until the start lever **6** is operated. When the start lever **6** is operated (**A5**: YES), the controller **60** samples a random number for lottery (**A6**). Then, the controller **60** checks a game mode for the current game (**A7**). More specifically, the controller **60** sets a game mode for the current game to any of the BB base game mode, the RB game mode, and the base game mode, and transmits the set game mode to the medal lending device **10b**.

[**0108**] Subsequently, an internal win is determined by executing a probability lottery processing (**A8**). Then, a stop table group that corresponds to the determined internal win is selected (**A9**). Then, the reels **3L**, **3C**, and **3R** are rotated using the stop table group thus selected (**A10**).

[**0109**] Then, rotations of the reels **3L**, **3C**, and **3R** are stopped (**A11**). More specifically, at a timing when the stop buttons **7L**, **7C**, and **7R** are pressed or at a timing when an automatic stop timer indicates "00", the number of sliding frames is determined based on the stop table selected in **A9** and on a reel position at the stop operation. The number of sliding frames means the number of symbols that moves within the display windows **4L**, **4C**, and **4R** after the stop buttons **7L**, **7C**, **7R** are pressed and before the reels **3L**, **3C**, **3R** are actually stopped. Thereby, the reel **3L**, **3C**, **3R** that corresponds to the pressed stop button **7L**, **7C**, **7R** is rotated so as to slide the determined number of frames, and then stopped.

[**0110**] Next, a win is determined (**A12**). More specifically, a win type is determined based on a combination of symbols of the reels **3L**, **3C**, and **3R** that are stopped on the center line **8c**. Then, medals depending on the determined win are credited or paid out (**A13**). Here, the number of medals to be acquired depending on the determined win is indicated by the number-of-acquired-medals indicator **18**. Depending on an operation of the C/P button made by the player, the acquired medals are credited or all medals that have already been acquired are paid out through the medal payout opening **15**. When paying out medals, controller **60** transmits the number of medals paid out to the medal lending device **10b**. When the medals are credited, the credited medals can be bet for a next game by pressing the BET button **11** in the next game. In **A13**, under a condition that the win determined in **A12** was the BB or RB, the game mode shifts to the BB base game mode or the RB game mode.

[**0111**] Next, determined is whether the current game mode is the bonus game mode, that is, whether the current game mode is the BB base game mode or the RB game mode (**A14**). When the current game mode is neither the BB base game mode nor the RB game mode (**A14**: NO), the processing returns to **A2**. When the current game mode is the BB base game mode or the RB game mode (**A14**: YES), the controller **60** checks the number of games which should be played in the BB base game mode or the RB game mode (**A15**). More specifically, the controller **60** checks how many times a shifting to the RB game mode was made, how many games are set in the BB base game mode, how many times a win was made in the RB game mode, and how many games are set in the RB game mode.

[**0112**] Next, determined is whether the bonus game mode should be ended (**A16**). More specifically, when, in the third RB game mode after the BB was won, 8 wins are made or

12 games are played, or when, in the BB base game mode, 30 games are played, it is determined that the bonus game mode should be ended. When, in the RB game mode after the RB was won as a result of a combination of “Red 7-Red 7-Blue 7” appearing on the activated line, 8 wins are made or 12 games are played, it is determined that the bonus game mode should be ended. When it is determined that the bonus game mode should not be ended (A16: NO), the processing returns to A2. When it is determined that the bonus game mode should be ended (A16: YES), the bonus game mode is ended (A17), and the game mode shifts to the base game mode. Then, the processing returns to A2.

[0113] Next, operations of the medal lending device 10*b* of the gaming machine 10 will be described with reference to FIG. 15.

[0114] First, the controller 70 of the medal lending device 10*b* displays the demo screen of FIG. 7 on the liquid crystal monitor 25 (B1). Then, the controller 70 determines whether, in the demo screen, any button other than the “DEMO” button 252*a* shown in the function select area 251*a* is touched or not (B2). When the player 103 touches the “DEMO” button 252*a* or does not touch any button, it is determined that a button other than the “DEMO” button 252*a* is not touched (B2: NO), and the processing returns to B1 so that the demo screen remains displayed on the liquid crystal display 25.

[0115] When the player 103 touches a button other than the “DEMO” button 252*a* (B2: YES), then the controller 70 determines whether the “REGISTER” button 252*b* is touched or not (B3). When it is determined that the “REGISTER” button 252*b* is touched (B3: YES), the register screen of FIG. 8 is displayed on the liquid crystal monitor 25 and then a registration processing of FIG. 16 is executed (B5).

[0116] In the registration processing, first, whether in the register screen a name has been inputted or not is determined (C1). More specifically, determined are whether a name of the player 103 has been inputted in the field 254*b* shown in FIG. 8 and then the “OK” button 254*c* shown in FIG. 8 has been touched or not. When a name has not been inputted (C1: NO), whether a predetermined period of time has elapsed since the register screen was displayed or not is determined (C13). When the predetermined period of time has not yet elapsed (C13: NO), the processing returns to C1. When the predetermined period of time has elapsed (C13: YES), the processing exits from this routine and returns to B1 of FIG. 15 so that the demo screen is displayed.

[0117] When a name has been inputted (C1: YES), the “SHOOT” button 254*d* in the register screen becomes selectable (C2). Then, whether the “SHOOT” button 254*d* has been touched or not is determined (C3). When the “SHOOT” button 254*d* has not been touched (C3: NO), the controller 70 waits until the “SHOOT” button 254*d* is touched. When the “SHOOT” button 254*d* has been touched (C3: YES), the CCD camera 24 shoots the player 103 (C4). More specifically, the CCD camera is constantly transmitting image data of the player 103 to the controller 70, and the image data is temporarily stored in an image RAM (not shown) of the controller 70. At a timing when the “SHOOT” button 254*d* is touched, the controller 70 reads the image data out of the image RAM.

[0118] Subsequently, the controller 70 extracts a face region of the player 103 from the read image data by a

known method, and generates face image data of the player 103 (C5). More specifically, in an example, the controller 70 firstly determines whether a color tone and a gradation of each pixel are within a predetermined skin-color range, and extracts a skin-color region. Then, the controller 70 extracts a face region from the skin-color region by removing from the skin-color region parts different from a face region based on their sizes and shapes. Data on the face region extracted in this manner is the face image data.

[0119] Then, the controller 70 reads a machine number out of the ROM 73 (C6). In C7, the controller 70 transmits to the hall computer 40 the machine number read out in C6 and registry data which includes the inputted name and the face image data generated in C5. The controller 70 then determines whether it has received from the hall computer 40 a notification about the registration or not (C8). When the notification has not been received (C8: NO), the controller 70 waits until it receives the notification.

[0120] When the notification has been received (C8: YES), the controller 70 determines whether a registration has been completed or not based on the notification received (C9). In a case where a name inputted in the name field 254*b* has already been registered in the hall computer 40 or in a case where the face image data obtained from the shooting has already been registered in the hall computer 40, a notification of non-registerability is received (C9: NO), and a message that the name has already been registered or a message that the player 103 has already been registered appears as shown in FIG. 9*B* or 9*C* (C12). Then, the processing exits from this routine, and returns to B1 of FIG. 15 in which the demo screen is displayed. Alternatively, it is also possible that the register screen of FIG. 8 is displayed.

[0121] When the controller 70 receives a notification that the registration has been completed (C9: YES), a message that the registration has been completed appears as shown in FIG. 9*A* (C10). Then, a new ID card with an IC chip which stores therein the registry data including the name and the face image data is issued out through the card issuing slot 26*a* (C11). Then, the processing exits from this routine, and returns to B1 of FIG. 15 in which the demo screen is displayed.

[0122] In a case where the controller 70 has failed to generate face image data in C5, a message advising the player 103 to shoot himself/herself again may appear on the liquid crystal monitor 25. This can ensure that face image data of the player 103 is generated.

[0123] Referring to FIG. 15 again, when it is determined that the “REGISTER” button 252*b* is not touched (B3: NO), the controller 70 determines that the “MAIL” button 252*c* is touched, and displays the mail preparation screen of FIG. 10*A* on the liquid crystal monitor 25 (B6). Then, a mail transmission processing of FIG. 17 is executed (B7).

[0124] In the mail transmission processing, first, the controller 70 determines whether in the mail transmission screen the “TRANSMISSION” button 255*d* has been touched or not (D1). When the “TRANSMISSION” button 255*d* has not been touched (D1: NO), the controller 70 waits until the “TRANSMISSION” button 255*d* is touched. When the “TRANSMISSION” button 255*d* has been touched (D1: YES), the controller 70 then determines whether a destination address has been inputted in the address field 255*b* or

not (D2). When a destination address has not been inputted (D2: NO), the processing returns to D1. In this case, a message advising the player 103 to input a destination address may appear on the liquid crystal monitor 25. When a destination address is has been inputted (D2: YES), the controller 70 transmits mail data to the hall computer 40 (D3). The mail data includes a machine number of the gaming machine 10 and contents inputted in the address field 255*b* and the message field 255*c*.

[0125] The controller 70 determines whether it has received from the hall computer 40 a notification about the transmission of mail or not (D4). When the notification has not been received (D4: NO), the controller 70 waits until it receives the notification. When the notification has been received (D4: YES), the controller 70 determines whether a main transmission has been completed or not based on the notification received from the hall computer 40 (D5). In a case where, for example, the name inputted in the address field 255*b* has not been registered in the hall computer 40, a mail transmission is uncompleted (D5: NO). In this case, a message advising the player 103 to review the destination address appears as shown in FIG. 10C (D7), and the mail preparation screen of FIG. 10A is displayed again (D8). Then, the processing returns to D1. When a mail transmission is completed (D5: YES), a message that a mail has been transmitted appears as shown in FIG. 10B (D6), and the processing exits from this routine. The processing then returns to B1 of FIG. 15 in which the demo screen is displayed.

[0126] The controller 70 of the medal lending device 10*b* executes the main routine of FIG. 15, while it also executes a player authentication processing of FIG. 18 under the condition where an ID card is inserted into the card insertion slot 26*b*. The authentication processing is being continuously executed while an ID card is being inserted into the card insertion slot 26*b*.

[0127] In the player authentication processing, first, the controller 70 reads face image data out of an IC chip of an inserted ID card (E1). The data thus read out is temporarily stored in the RAM 72. Then, the CCD camera 24 shoots a player (E2), and face image data is generated in the same manner as described above (E3). In E4, the controller 70 compares the face image data read out of the ID card in E1 with the face image data generated in E3. Then, the controller 70 determines whether these two pieces of face image data are identical or not (E5). More specifically, in E4, the controller 70 calculates a similarity between the two pieces of face image data by a known method. In E5, when the similarity calculated in E4 is equal to or more than a threshold value it is determined that the two pieces of face image data are identical, and when the similarity is less than the threshold value it is determined that the two pieces of face image data are not identical.

[0128] When the pieces of face image data are not identical (E5: NO), the controller 70 determines that the player 103 who is currently trying to play a game in the gaming machine 10 is not identical to a player who is registered in the ID card. Thus, the controller 70 forces the ID card out from the card insertion slot 26*b* (E10), and the processing exits from this routine. That is, in this case the player 103 cannot start a game.

[0129] When the pieces of face image data are identical (E5: YES), the controller 70 transmits a game start permis-

sion signal to the main body 10*a* of the gaming machine 10 (E6). Then, the controller 70 reads a machine number and game status data out of the RAM 72 (E7). In E8, the controller 70 transmits to the hall computer 40 authentication data, which includes the face image data generated in E3 and the machine number and the game status data read out in E7.

[0130] In E9, the controller 70 determines whether a predetermined period of time has elapsed or not since the CCD camera 24 previously shot the player 103. When the predetermined period of time has not yet elapsed (E9: NO), the controller 70 waits until the predetermined period of time elapses. When the predetermined period of time has elapsed (E9: YES), the processing returns to E2 and the above-described operations are repeated.

[0131] When the card eject button 26*c* is pressed, the ID card is ejected from the card insertion slot 26*b* (E10), and the processing exits from this routine.

[0132] It may also be possible to, when the ID card is ejected from the card insertion slot 26*b* (E10), force the game mode into the base game mode even during the bonus game mode. As a result, even when the player 103 quits a game in the bonus game mode, another player 103 cannot take over the game and thus cannot dishonestly acquire medals.

[0133] Next, operations of the counter 30 will be described with reference to FIG. 19.

[0134] The controller 80 of the counter 30 firstly determines, based on a detection signal transmitted from the medal sensor 31*S*, whether a medal or medals is/are inserted into the medal receiver 31 or not (F1). When no medal is inserted (F1: N6), the controller 80 waits until a medal is inserted. When a medal or medals is/are inserted (F1: YES), the controller 80 counts the medal(s) that have been inserted into the medal receiver 31, based on the detection signal transmitted from the medal sensor 31*S*. Then, the controller 80 displays a result of the counting on the number-of-inserted-medals indicator 33 (F2).

[0135] Then, the CCD camera 32 shoots a counting person 104 (F3), and generates face image data in the same manner as described above (F4). In F5, the controller 80 transmits to the hall computer 40 a medal count data, which corresponds to the result of the counting performed in F2, and the face image data of the counting person 104 which was generated in F4. Then, the controller 80 determines whether the receipt issuing button 34 is pressed or not (F6). When the receipt issuing button 34 is not pressed (F6: NO), the controller 80 waits until the receipt issuing button 34 is pressed. When the receipt issuing button 34 is pressed (F6: YES), the controller 80 drives the printing section and the discharging section of the printing unit 36, so that the result of counting the medals is printed on a receipt which is then discharged through the receipt discharge opening 35 (F7). Then, the processing returns to F1, and the above-described operations are repeated.

[0136] Next, operations of the hall computer 40 will be described with reference to FIG. 20.

[0137] The controller 90 of the hall computer 40 firstly determines whether registry data is received from any one of the medal lending devices 10*b* or not (S1). When registry

data is received (S1: YES), the controller 90 executes a registration processing of FIG. 21 (S2).

[0138] In the registration processing, first, the controller 90 determines whether a name included in the received registry data is registered in the player data table stored in the storage 97 or not (S101). When the name is registered (S101: YES), the controller 90 transmits a notification of non-registerability to the medal lending device 10b that has transmitted the registry data (S109). In this case, the message shown in FIG. 9B appears on the liquid crystal monitor 25 of the medal lending device 10b. Then, the processing exits from this routine, and returns to S1 of FIG. 20.

[0139] When the name included in the received registry data is not registered (S101: NO), the controller 90 then determines whether face image data included in the registry data is registered in the player data table stored in the storage 97 or not (S102). More specifically, the controller 90 compares a local image of the face image data included in the received registry data with a local image of face image data included in each data set stored in the player data table. When the controller 90 finds identical face image data, it determines that the face image data is registered.

[0140] When the face image data is registered (S102: YES), the controller 90 determines that a player 103 who is attending to the current registration has already been registered, and transmits a notification of non-registerability to the medal lending device 10b that has transmitted the registry data (S107). In this case, the message shown in FIG. 9C appears on the liquid crystal monitor 25 of the medal lending device 10b. Then, the processing exits from this routine, and returns to S1 of FIG. 20.

[0141] When the face image data is not registered (S102: NO), the controller 90 registers a player 103 based on the received registry data and the machine number received together with the registry data (S103). More specifically, the controller 90 creates a new data set in the player data table stored in the storage 97. Then, the controller 90 transmits a notification that the registration has been completed to the gaming machine 10 that is a sender of the registry data (S104). In this case, the message shown in FIG. 9A appears on the liquid crystal monitor 25 of the medal lending device 10b, and an ID card is issued.

[0142] Then, based on the received machine number, the controller 90 retrieves, from the gaming machine data table stored in the storage 97, a data set corresponding to the gaming machine 10 that is a sender of the registry data (S105). Face image data included in the retrieved data set is rewritten into the face image data included in the received registry data, and game status data included in the data set is reset (S106). Here, resetting the game status data means setting the number of payout medals to zero. Then, the processing exits from this routine, and returns to S1 of FIG. 20.

[0143] Referring to FIG. 20 again, when the controller 90 does not receive registry data (S1: NO), then the controller 90 determines whether authentication data is received from any of the medal lending devices 10b (S3). When authentication data is received (S3: YES), the controller 90 executes a player data table updating processing of FIG. 22 (S4).

[0144] In the player data table updating processing, first, the controller 90 determines whether face image data

included in the received authentication data is registered in the player data table stored in the storage 97 or not (S201). When the face image data included in the received authentication data is registered (S201: YES), the controller 90 retrieves a corresponding data set from the player data table (S202). The controller 90 determines whether a machine number included in the retrieved data set is identical to a machine number included in the received authentication data (S203).

[0145] When they are not identical (S203: NO), the controller 90 determines that the player 103 has moved to another gaming machine 10, and rewrites the machine number included in the retrieved data set into the machine number included in the received authentication data (S204). Subsequently, the controller 90 rewrites game status data included in the retrieved data set into game status data included in the received authentication data (S205).

[0146] When they are identical (S203: YES), the controller 90 determines that the player 103 has not moved to any other gaming machine 10, i.e., has been staying at the same gaming machine 10, and rewrites game status data alone included in the retrieved data set (S205).

[0147] After S205, the controller 90 notifies a staff 105 that data stored in the storage 97 have been updated, by means of the display 96 (S207). Then, the processing exits from this routine.

[0148] When the face image data included in the received authentication data is not registered in the player data table (S201: NO), the controller 90 determines that there is high possibility of occurrence of an error or fraud by the player 103. This is because face image data of the player 103 is not registered in the player data table of the hall computer 40 although the medal lending device 10b determines that face image data registered in the ID card and face image data obtained from a shooting are identical (see E5 of FIG. 18). Therefore, through the display 96, the controller 90 notifies the staff 105 that fraud or an error has occurred (S206), and the processing exits from this routine.

[0149] Like this, face image data of the player 103 is checked twice. Specifically, the medal lending device 10b compares face image data obtained from a shooting by the CCD camera 24 with face image data registered in an ID card, and in addition the hall computer 40 subsequently examines whether the face image data is registered in the player data table or not. As a result, authentication accuracy is improved to more easily prevent occurrence of an error or fraud by a player.

[0150] After S4, the controller 90 executes a gaming machine data table updating processing of FIG. 23 (S5). In the gaming machine data table updating processing, first, the controller 90 retrieves from the gaming machine data table a data set that corresponds to a machine number included in the received authentication data (S301). The controller 90 determines whether face image data included in the retrieved data set is identical to face image data included in the received authentication data (S302). When they are not identical (S302: NO), the controller 90 determines based on game status data included in the retrieved data set whether a game mode currently adopted in the gaming machine 10 is any of the BB base game mode and the RB game mode (S303).

[0151] When the current game mode is neither the BB base game mode nor the RB game mode (S303: NO), the controller 90 rewrites face image data included in the retrieved data set into face image data included in the received authentication data and at the same time resets the game status data included in the data set (S304).

[0152] When face image data included in the retrieved data set and face image data included in the received authentication data are identical (S302: YES), the controller determines that the same player 103 continues playing a game in the gaming machine 10, and rewrites the game status data alone into game status data included in the received authentication data (S306).

[0153] After S304 or S306, the controller 90 notifies a staff 105 that data stored in the storage 97 have been updated, by means of the display 96 (S307). Then, the processing exits from this routine, and returns to S1 of FIG. 20.

[0154] When the current game mode is the BB base game mode or the RB game mode (S303: YES), the controller determines that a player 103 playing in the gaming machine 10 has been replaced in a bonus game mode, and notifies a staff 105 of replacement by means of the display 96 (S305). As a result, while a player 103 who plays a game in the bonus game mode is temporarily leaving a gaming machine 10, another player cannot resume the game in the gaming machine 10. Then, the processing exits from this routine, and returns to S1 of FIG. 20.

[0155] Referring to FIG. 20 again, when authentication data is not received from any of the medal lending devices 10b (S3: NO), the controller 90 determines whether medal count data is received from any of the counters 30 or not (S6). When medal count data is received (S6: YES), the controller 90 executes a counting person monitoring processing of FIG. 24 (S7).

[0156] In the counting person monitoring processing, first, the controller 90 determines whether face image data, which has been received together with the medal count data from the counter 30, is registered or not in the player data table stored in the storage 97 (S401). When the face image data is registered (S401: YES), a data set corresponding to the face image data is retrieved from the player data table (S402). Then, the controller 90 compares the number of payout medals that is included in the retrieved data set with the received medal count data (S403), and then determines whether they are identical or not (S404). When they are identical (S404: YES), it is deemed to be normal and thus the processing exits from this routine. When they are not identical (S404: NO), the controller 90 determines that, for example, there is high possibility that the counting person 104 who is using the counter 30 has dishonestly brought medals in from the outside. Therefore, through the display 96, the controller 90 notifies the staff 105 of occurrence of fraud (S406). Then, the processing exits from this routine.

[0157] In a case where, in S403, the number of medals counted by the counter 30, which is expressed by the received medal count data, is smaller than the number of medals paid out of the gaming machine 10, which means the number of payout medals included in the retrieved data set, it may be considered that, for example, the player 103 after finishing a game has dropped some of his/her medals while he/she was carrying the medals from the gaming machine 10

to the counter 30. This is not fraud. In this case, therefore, in S404 the controller 30 may determine that the number of payout medals and the result of counting medals are identical.

[0158] When the face image data received from the counter 30 is not registered in the player data table (S401: NO), then the controller 90 determines whether the face image data is registered in the staff data table stored in the storage 97 or not (S405). When the face image data is registered in the staff data table (S405: YES), the controller 90 determines that a staff 105 counts medals in the counter 30 on behalf of the player 103, and the processing exits from this routine. When the face image data is not registered in the staff data table (S405: NO), the controller 90 determines that someone other than the player 103 nor the staff 105 is using the counter 30, which is therefore notified to the staff 105 through the display 96 (S406). Then, the processing exits from this routine, and returns to S1 of FIG. 20.

[0159] Like this, by determining whether face image data obtained by shooting a counting person 104 who is using the counter 30 is registered in the storage 97 of the hall computer 40 or not in S401, the controller 90 can check whether the counting person 104 has actually played a game and acquired the medals by himself/herself or not. This can prevent a counting person 104 from practicing fraud with the counter 30. In addition, the number of medals counted by the counter 30, which is expressed by the received medal count data, is compared with the number of medals paid out of the gaming machine 10, which means the number of medals included in the retrieved data set (S403). Thereby, the controller 90 can check whether a counting person 104 has dishonestly brought medals in or not.

[0160] Referring to FIG. 20 again, when medal count data is not received from any of the counters 30 (S6: NO), the controller 90 determines that a mail data is received from any of the medal lending devices 10b and executes a mail transmission/reception processing of FIG. 25 (S8).

[0161] In the mail transmission/reception processing, first, the controller 90 specifies a name of a player 103 who has transmitted a mail, based on a machine number included in the received mail data (S501). More specifically, the controller 90 retrieves, from the gaming machine data table stored in the storage 97, a data set corresponding to the machine number included in the received mail data, and specifies a name based on the data set.

[0162] Then, the controller 90 determines whether the name specified in S501 is registered in the player data table or not (S502). When the name is not registered (S502: NO), the controller 90 determines that a sender of the mail does not exist, and transmits a notification of transmission error to a gaming machine 10 that is a sender of the mail (S507). In this case, the screen shown in FIG. 10C is displayed on the liquid crystal monitor 25 of a medal lending device 10b included in the gaming machine 10. Thus, the processing exits from this routine.

[0163] When the name specified in S501 is registered in the player data table (S502: YES), the controller 90 retrieves a data set corresponding to the name from the player data table (S503), and specifies a machine number included in the data set (S504). Then, the controller 90 transmits the mail data to a gaming machine 10 that is assigned to the specified

machine number, i.e., that is a destination of the mail (S505). Then, the controller 90 transmits a notification that a mail transmission has been completed to the gaming machine 10 that is a sender of the mail (S506). In this case, the screen shown in FIG. 10B is displayed on the liquid crystal monitor 25 of the medal lending device 10b included in the gaming machine 10. Thus, the processing exits from this routine, and returns to S1 of FIG. 20.

[0164] In this embodiment, as thus far described above, in a case where face image data formed based on a shooting by the CCD camera 24 of the medal lending device 10b has already been registered in the hall computer 40 (S201: YES) and in addition a machine number corresponding to the face image data is not identical to a machine number included in authentication data received from the medal lending device 10b (S203: NO), the controller 90 rewrites a machine number (S204). That is, each time a player 103 changes a gaming machine 10, contents of the storage 97 of the hall computer 40 are accordingly rewritten. Then, when a mail which is addressed to a name is transmitted from a medal lending device 10b to the hall computer 40, the hall computer 40 transmits the mail based on a machine number that is associated with the name with reference to the storage 97. Accordingly, when a player 103 wants to communicate with another player 103, he/she does not have to know which gaming machine 10 another player 103 is using now, but has only to transmit a mail addressed to a name of another player 103, so as to transmit the mail to another player 103 thus communicating with another player 103. In addition, a player 103 can concentrate on a game because he/she does not have to exert an effort to always know which gaming machine 10 his/her communicatee is using now.

[0165] In S401, whether a face image data of a counting person 104 resulting from an imaging by the CCD camera 32 of the counter 30 is registered in the player data table within the storage 97 or not is determined. Thereby, whether the counting person 104 who is counting a game value on the counter 30 has actually played a game in a gaming machine 10 or not can be determined. Accordingly, even though, for example, medals acquired by a player is brought out by a dishonest stranger who then attempts counting the medals on the counter 30, whether the counting person 104 is counting medals he/she has acquired by himself/herself as a result of actually playing a game or not can be determined. This can prevent fraud in the counter 30, without requiring a monitoring by a staff 105.

[0166] Moreover, in S403, the number of medals counted by the counter 30 is compared with the number of medals paid out by the hopper 69 of a gaming machine 10. When they are not identical (S404: NO), a staff 105 is notified of occurrence of fraud through the display 96 (S406). Even when a face image data of a counting person 104 is stored in the storage 97, the above-described comparison is made, to determine whether the counting person 104 dishonestly acquired medals or not. This can more effectively prevent fraud in the counter 30.

[0167] Further, the storage 97 of the hall computer 40 stores therein the staff data table (see FIG. 13) including a face image data of each staff 105. In S405, whether a face image data of a counting person 104 received from the counter 30 is registered in the staff data table or not is determined. This tells whether a person who is counting medals on the counter 30 is a staff 105 or not.

[0168] As long as an ID card is kept inserted in the card insertion slot 26b, a player 103 is shot at predetermined intervals (E9 and E2), and face image data thus generated is outputted to the hall computer 40. Accordingly, even when a player 103 has changed during a game, it can immediately be detected. For example, if, while a player 103 who plays a game in the bonus game mode is temporarily leaving a gaming machine 10, another player 103 resumes the game in the gaming machine 10 without permission, this fraud can immediately be detected.

[0169] If the player authentication processing (see FIG. 18) utilizes face image data of a player 103 which is registered in the hall computer 40, the authentication processing cannot be executed when a trouble occurs in a network that connects the respective gaming machines 10 to the hall computer 40 or when a data table, etc., stored in the hall computer 40 is erased. In this embodiment, on the other hand, face image data formed based on a shooting by the CCD camera 24 are not transmitted from the medal lending device 10b to the hall computer 40. Instead, each medal lending device 10b itself authenticates a player 103 by comparing face image data stored in an ID card with face image data obtained from a shooting by the CCD camera 24 (E4). Thus, in this embodiment, the authentication processing is reliably executed even when the above-mentioned troubles occur.

[0170] The more players 103 are registered, the more volume of data must be recorded in the hall computer 40, which may cause a lot of trouble with data management. In this embodiment, on the other hand, registry data is stored in an ID card which is owned by each player 103, so that data management can easily be done.

[0171] In the above-described embodiment, the CCD camera 24 is mounted on the medal lending device 10b, so that the CCD camera 24 shoots, in an oblique direction, a player 103 who is sitting in front of the main body 10a. However, it may be possible that the main body 10a is provided with a CCD camera 124 as shown in FIG. 26. In this case, an image obtained is a front image of a player 103 resulting from a shooting by the CCD camera 124. This gives improved reliability to a shooting result by the CCD camera 124, and therefore an authentication error does not easily occur, so as to improve authentication accuracy. Alternatively, it may also be possible that the CCD camera 24 is mounted on a device that is separate from both of the main body 10a and the medal lending device 10b.

[0172] A device that images a player 103 is not limited to the CCD camera 24, but may for example be a CMOS camera or any other cameras.

[0173] The main body 10a and the medal lending device 10b of the gaming machine 10 may be controlled by a single controller.

[0174] In the counting person monitoring processing executed by the hall computer 40 (see FIG. 24), it may be possible that the hall computer 40 transmits a signal to the counter 30 so as to prevent the ticket issuer 30b from issuing a receipt in a case where face image data obtained from a shooting by the CCD camera 32 is not registered in the player data table (S401: NO) or in a case where the received medal count data is not identical to the number of payout medals included in the retrieved data set (S404: NO). This can prevent fraud in the counter 30.

[0175] It may be possible that an ID card insertion slot is formed in the counter **30**, in order that the controller **80** of the counter **30** can compare face image data read out of the ID card with face image data obtained from a shooting by the CCD camera. Further, it may be possible that not only the registry data but also the number of medals paid out of the gaming machine **10** is stored in an ID card, in order that the controller **80** of the counter **30** can compare the number of payout medals read out of the ID card with a result of counting based on a detection signal from the medal sensor **31S**. That is, although in the above-described embodiment the hall computer **40** performs the counting person monitoring processing (see FIG. 24) to detect a counting person **104** practicing fraud, each counter **30** itself may detect a counting person **104** practicing fraud by executing the above-mentioned comparison. This makes it possible for each counter **30** to detect a counting person **104** practicing fraud even when communication with the hall computer **40** is broken by a network trouble, etc.

[0176] Face image data of a player **103** is used as the player image data item in the above-described embodiment, but alternatively image data of a certain part, e.g., a nose or an eye, of the player **103** other than a face may be used. For example, it may be possible to extract, as the player image data item, a nose or an eye part from image data obtained by the CCD camera **24**. A method of generating a player image data item and a method of checking image data are not limited to the ones employed in the above-described embodiment.

[0177] In the above-described embodiment, a mail is transmitted and received through the liquid crystal monitor **25** mounted on the medal lending device **10b**. However, this is not limitative. For example, the liquid crystal display of the main body **10a** of the gaming machine may serve to transmit and receive a mail.

[0178] The identification data item to which a mail is addressed may either be a real name and a handle name, and alternatively may be anything other than the name, as long as it enables identification of each individual player.

[0179] A notification unit is not limited to the display **96** of the hall computer **40** but may be, for example, a portable device which is carried by a staff **105** and through which the staff **105** is notified of fraud and the like.

[0180] In the above-described embodiment, the controller **60** of the main body **10a** is connected to the hall computer **40** through the controller **70** of the medal lending device **10b**. However, the controller **60** may be directly connected to the hall computer **40**. In this case, it may be possible that the controller **60** of the main body **10a** transmits data received from the controller **70** of the medal lending device **10b** to the hall computer **40**.

[0181] The gaming machines **10**, the counters **30**, and the hall computer **40** may be connected wirelessly.

[0182] The gaming machine **10** is not limited to a pachislot machine, but may be a so-called pinball machine using pinballs. In addition, in the gaming machine **10**, a card that stores therein game values given to a player may be used as a game medium. The game value may not only be a medal but also be a coin, a pinball, and the like.

[0183] While this invention has been described in conjunction with the specific embodiments outlined above, it is

evident that many alternatives, modifications and variations will be apparent to those skilled in the art. Accordingly, the preferred embodiments of the invention as set forth above are intended to be illustrative, not limiting. Various changes may be made without departing from the spirit and scope of the invention as defined in the following claims.

What is claimed is:

1. A server that is data-communicably connected to respective gaming machines and enables a mail transmission and reception among the gaming machines, each of the gaming machines having an imaging unit that images a player and an input unit through which the player inputs his/her identification data item,

wherein the server comprises:

a storage that rewritably stores therein a player image data item resulting from an imaging by the imaging unit, a specifying data item that specifies each of the gaming machines, and the identification data item, in such a manner that these data items are associated with one another;

a first determination unit that determines, upon every imaging by the imaging unit, whether a player image data item resulting from the imaging has been stored in the storage or not;

a second determination unit that determines, when the first determination unit determines that the player image data item resulting from the imaging has been stored in the storage, whether or not a specifying data item associated with the player image data item in the storage is identical to a specifying data item received, upon every imaging by the imaging unit, from a gaming machine that has the imaging unit;

a rewriting unit that, when the second determination unit determines that the specifying data items are not identical, rewrites the specifying data item associated with the player image data item in the storage into the specifying data item received from the gaming machine;

a mail reception unit that receives from any of the gaming machines a mail addressed to an identification data item; and

a mail transmission unit that transmits the mail based on a specifying data item stored in the storage and associated with the identification data item to which the mail is addressed.

2. A game system that includes gaming machines and a server data-communicably connected to the respective gaming machines, and enables a mail transmission and reception among the gaming machines,

wherein each of the gaming machines comprises:

a specifying data item storage that stores therein a specifying data item for specifying the gaming machine itself;

an imaging unit that images a player;

a player image data item generation unit that generates a player image data item based on a result of an imaging by the imaging unit;

- an output unit that outputs the player image data item generated by the player image data item generation unit together with the specifying data item;
- an input unit through which a player inputs his/her identification data item;
- a mail preparation unit that prepares a mail addressed to an identification data item of another player; and
- a mail transmission unit that transmits the mail prepared by the mail preparation unit,
- wherein the server comprises:
- a first reception unit that receives the player image data item and the specifying data item outputted from the output unit;
- a second reception unit that receives the identification data item inputted through the input unit;
- a storage that rewritably stores therein the player image data item, the specifying data item, and the identification data item, in such a manner that these data items are associated with one another;
- a first determination unit that determines whether the player image data item received by the first reception unit has been stored in the storage or not;
- a second determination unit that determines, when the first determination unit determines that the player image data item has been stored in the storage, whether or not a specifying data item associated with the player image data item in the storage is identical to the specifying data item received by the first reception unit together with the player image data item;
- a rewriting unit that, when the second determination unit determines that the specifying data items are not identical, rewrites the specifying data item associated with the player image data item in the storage into the specifying data item received from the gaming machine;
- a mail reception unit that receives from any of the gaming machines a mail addressed to an identification data item; and
- a mail transmission unit that transmits the mail based on a specifying data item stored in the storage and associated with the identification data item to which the mail is addressed.
3. A server that is data-communicably connected to a plurality of gaming machines each having a player imaging unit that images a player and a payout unit that pays out a game value based on a game result, and also data-communicably connected to a counter having a counting unit that counts the game value and a counting-person imaging unit that images a counting person,
- wherein the server comprises:
- a storage that stores therein a player image data item resulting from an imaging by the player imaging unit;
- a retrieval unit that retrieves from the storage a player image data item that is identical to a counting-person image data item resulting from an imaging by the counting-person imaging unit; and
- a first notification unit that notifies a result of retrieval made by the retrieval unit.
4. The server according to claim 3, further comprising:
- a payout amount data reception unit that receives an amount data item of the game value paid out by the payout unit;
- a payout amount data storing unit that stores, into the storage, the payout amount data item received by the payout amount data reception unit, in such a manner that the payout amount data item is associated with a player image data item;
- a counted amount data reception unit that receives an amount data item of the game value counted by the counting unit;
- a comparison unit that compares the payout amount data item associated with the player image data item retrieved by the retrieval unit with the counted amount data item received by the counted amount data reception unit; and
- a second notification unit that notifies a result of comparison made by the comparison unit.
5. The server according to claim 3, wherein:
- the storage stores therein a manager image data item regarding a manager of the gaming machines; and
- the retrieval unit retrieves from the storage a manager image data item that is identical to a counting-person image data item resulting from an imaging by the counting-person imaging unit.
6. A game system that includes a plurality of gaming machines each paying out a game value based on a game result, a counter counting the game value, and a server data-communicably connected to the respective gaming machines and the counter,
- wherein each of the gaming machines comprises:
- a player imaging unit that images a player;
- a player image data item generation unit that generates a player image data item based on a result of an imaging by the player imaging unit; and
- a player image data item transmission unit that transmits, to the server, the player image data item generated by the player image data item generation unit,
- wherein the counter comprises:
- a counting-person imaging unit that images a counting person;
- a counting-person image data item generation unit that generates a counting-person image data item based on a result of an imaging by the counting-person imaging unit; and
- a counting-person image data item transmission unit that transmits, to the server, the counting-person image data item generated by the counting-person image data item generation unit,
- wherein the server comprises:
- a player image data item reception unit that receives the player image data item transmitted by the player image data item transmission unit;

a storage that stores therein the player image data item received by the player image data item reception unit;

a counting-person image data item reception unit that receives the counting-person image data item transmitted by the counting-person image data item transmission unit;

a retrieval unit that retrieves from the storage a player image data item that is identical to the counting-person

image data item received by the counting-person image data item reception unit; and

a notification unit that notifies a result of retrieval made by the retrieval unit.

7. The game system according to claim 6, wherein the player imaging unit images a player at predetermined intervals.

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