[0005]

he present disclosure seeks to provide a novel management system that may manage liquidation of chips in a game using the chips.

[0005a]

An aspect of the present disclosure provides a management system for managing games using gaming chips, comprising:

a gaming chips for individually identifiable;

a game table for playing games using the gaming chips;

a win/loss determining device that determines and displays a win/loss result of the game on the game table;

a gamming chip tray that holds gaming chips used by a dealer on the game table;

a dealer chip determining device that specifies types and the numbers of gaming chips held in the gaming chip tray;

a measuring device that measures positions, types, and the numbers of gaming chips on the game table; and

a management control device that has a function of grasping the positions, the types, and the numbers of gaming chips on the game table and calculating a balance of a casino side on the game table using the win/loss result obtained from the win/loss determining device,

wherein the management control device, based on the information obtained from the measuring device, the dealer chip determining device, and the win/loss determining device, performs at least one of the following comparing:

comparing a collection amount of gaming chips to be collected from the game table by the casino side in the game, with an increase amount of gaming chips in the gaming chip tray after the dealer collects the gaming chips to the gaming chip tray;

comparing a payment amount of gaming chips to be paid by the casino side in the game with a decrease amount of gaming chips in the gaming chip tray after the dealer takes out and pays the gaming chips from the gaming chip tray; or

comparing a balance amount based on a payment amount of gaming chips that collect the gaming chips to be collected from the game table by the casino side in the game and pay a payment amount of gaming chips to be paid by the casino side in the game, with increase/decrease amount of gaming chips in the gaming chip tray after the dealer collects the gaming chips to the gaming chip tray and takes out and pays the gaming chips from the gaming chip tray,

the management control device having a function of sending a signal or displaying on a display device according to a result of the comparison of the collection amount with the increase amount, the payment amount with the decrease amount, or the balance amount with the increase/decrease amount, and when a discrepancy is determined with respect to the result of the comparison, changing an output content of the signal or the display according to a content of the discrepancy.

[0006]

There is also disclosed a management system that manages a game using chips, and includes chips that are individually identifiable; a game table for playing a game using the chips; a win/loss determining device that determines and displays a win/loss result of the game on the game table; a chip tray that holds chips used by a dealer on the game table; a dealer chip determining device that specifies types and the numbers of chips held in the chip tray; a measuring device that measures positions, types, and the numbers of chips on the game table; and a management control device that has a function of grasping the positions, the types, and the numbers of chips on the game table and calculating a balance of a casino side on the game table using the win/loss result obtained from the win/loss determining device, wherein the management control device has a function of comparing a collection amount of chips to be collected from the game table by the casino side in the game on the basis of information obtained from the measuring device, the dealer chip determining device, and the win/loss determining device with an increase amount of chips in the chip tray after the dealer collects the chips, comparing a payment amount of chips to be paid by the casino side in the game with

participant that is a cause of the inconsistency.

[0010]

There is also disclosed a management system that manages a game using chips, and includes a game table for playing a game using the chips; a game determining unit that determines a game result; a bet determining unit that determines a bet target and a bet amount of a player; a liquidation determining unit that determines an actual liquidation amount of chips delivered between a dealer and the player; and a control unit that performs a first control when a predetermined condition is not satisfied and performs a second control different from the first control when the predetermined condition is satisfied, in the case where there is a difference between a calculated liquidation amount and the actual liquidation amount, the calculated liquidation amount being calculated from the game result and the bet target and the bet amount, and the actual liquidation amount being determined by the liquidation determining unit.

[0011]

The predetermined condition may be a condition relating to the difference.

[0012]

The predetermined condition may be that the difference in a one-time game is larger than a first threshold value.

[0013]

The predetermined condition may be that a total sum of the differences in recent predetermined-time games is larger

CLAIMS

1. A management system for managing games using gaming chips, comprising:

a gaming chips for individually identifiable;

a game table for playing games using the gaming chips;

a win/loss determining device that determines and displays a win/loss result of the game on the game table;

a gamming chip tray that holds gaming chips used by a dealer on the game table;

a dealer chip determining device that specifies types and the numbers of gaming chips held in the gaming chip tray;

a measuring device that measures positions, types, and the numbers of gaming chips on the game table; and

a management control device that has a function of grasping the positions, the types, and the numbers of gaming chips on the game table and calculating a balance of a casino side on the game table using the win/loss result obtained from the win/loss determining device,

wherein the management control device, based on the information obtained from the measuring device, the dealer chip determining device, and the win/loss determining device, performs at least one of the following comparing:

comparing a collection amount of gaming chips to

be collected from the game table by the casino side in the game, with an increase amount of gaming chips in the gaming chip tray after the dealer collects the gaming chips to the gaming chip tray;

comparing a payment amount of gaming chips to be paid by the casino side in the game with a decrease amount of gaming chips in the gaming chip tray after the dealer takes out and pays the gaming chips from the gaming chip tray; or

comparing a balance amount based on a payment amount of gaming chips that collect the gaming chips to be collected from the game table by the casino side in the game and pay a payment amount of gaming chips to be paid by the casino side in the game, with increase/decrease amount of gaming chips in the gaming chip tray after the dealer collects the gaming chips to the gaming chip tray and takes out and pays the gaming chips from the gaming chip tray,

the management control device having a function of sending a signal or displaying on a display device according to a result of the comparison of the collection amount with the increase amount, the payment amount with the decrease amount, or the balance amount with the increase/decrease amount, and when a discrepancy is determined with respect to the result of the comparison, changing an output content of

the signal or the display according to a content of the discrepancy.

2. The management system according to claim 1, wherein the management control device has a function of outputting a signal to stop the game on the game table or continuing the game without stopping when the discrepancy is determined with respect to the comparison result between the collection amount and the increase amount or between the payment amount and the decrease amount.

3. The management system according to claim 2, wherein the management control device has a function of outputting a signal to stop the game on the game table when the discrepancy is continuous, even if the discrepancy is a small discrepancy when the amount of the discrepancy is divided by a predetermined amount.

4. The management system according to any of claims 1 to 3, wherein the management control device has a function of causing the display device that displays the discrepancy to identify the player position or game participant that caused the discrepancy.