for gaming is bet or is paid off.

Solution to Problem

[0006a]

An aspect of the present invention provides a management system of substitute currency for gaming comprising:

substitute currency for gaming to which a unique ID that is individually identifiable is attached;

a game table used for performing a game using the substitute currency for gaming;

a chip tray holding substitute currency for gaming used by a dealer in the game table;

a chip determining device specifying types and quantities of the substitute currency for gaming held in the chip tray by using the unique ID;

a management control device determining an abnormality in the substitute currency for gaming based on the unique ID; and

a measurement device measuring the quantity of the substitute currency for gaming on the game table at least including the chip tray by using a camera,

wherein the management control device has a function of specifying the quantity of the substitute currency for gaming on the chip tray by using a result of the measurement performed by the measurement device, and

the management control device has a function of inspecting a relation between information of the unique ID acquired by the chip determining device and information read by the measurement device,

the management control device further has a function that when the number of the substitute currency for gaming in the chip tray specified by using the result of the measurement performed by the measurement device is different from the number of the substitute currency for gaming in the chip tray specified by the chip determining device, determines the substitute currency for gaming to which the unique ID is attached as product defect or fake.

[0006b]

Another aspect of the present invention provides a management system of substitute currency for gaming comprising:

substitute currency for gaming to which a unique ID that is individually identifiable is attached;

a game table used for performing a game using the substitute currency for gaming;

a chip tray holding substitute currency for gaming used by a dealer on the game table;

a chip determining device specifying types and quantities of the substitute currency for gaming held in the chip tray by using the unique ID;

a management control device determining an abnormality in the substitute currency for gaming based on the unique ID; and

a measurement device measuring the quantities of the substitute currency for gaming on the game table at least including the chip tray,

wherein the management control device has a function of inspecting a relation between information of the unique ID acquired by the chip determining device and information read by the measurement device,

the management control device further has a function that when the number of the substitute currency for gaming in the chip tray specified by using the result of the measurement performed by the measurement device is different from the number of the substitute currency for gaming in the chip tray specified by the chip determining device, determines the substitute currency for gaming to which the unique ID is attached as product defect or fake.

[0007]

Substitute currency for gaming according to an aspect of the present invention is substitute currency for gaming in which a stacked structure body formed by a plurality of plastic layers is configured by stacking at least a coloring layer and a white layer or a thin-color layer, a stripe pattern is formed on a side face in a stacking direction, a configuration enabling a type of substitute currency for

gaming to be specified by the coloring layer is included, a print layer representing a type of the substitute currency for gaming is applied to a further upper and lower faces of the stacked structure body, and a layer structure is formed by thermo-compressing each interlayer.

[0008]

In the substitute currency for gaming described above, a side ID that can be individually identified may be attached to an outer face of the white layer or the thin-color layer.

[0009]

In the substitute currency for gaming described above, the side IDs may be attached to at least three or more positions spaced apart in a rotation direction of the side face of the substitute currency for gaming.

[0010]

CLAIMS

1. A management system of substitute currency for gaming comprising:

substitute currency for gaming to which a unique ID that is individually identifiable is attached;

a game table used for performing a game using the substitute currency for gaming;

a chip tray holding substitute currency for gaming used by a dealer in the game table;

a chip determining device specifying types and quantities of the substitute currency for gaming held in the chip tray by using the unique ID;

a management control device determining an abnormality in the substitute currency for gaming based on the unique ID; and

a measurement device measuring the quantity of the substitute currency for gaming on the game table at least including the chip tray by using a camera,

wherein the management control device has a function of specifying the quantity of the substitute currency for gaming on the chip tray by using a result of the measurement performed by the measurement device, and

the management control device has a function of inspecting a relation between information of the unique ID acquired by the chip determining device and information read by the measurement device,

the management control device further has a function that when the number of the substitute currency for gaming in the chip tray specified by using the result of the measurement performed by the measurement device is different from the number of the substitute currency for gaming in the chip tray specified by the chip determining device, determines the substitute currency for gaming to which the unique ID is attached as product defect or fake.

2. The management system of substitute currency for gaming according to claim 1,

wherein the measurement device further measures types of the substitute currency for gaming on the game table at least including the chip tray by using a camera, and

the management control device further has a function of specifying and storing the types of the substitute currency for gaming on the chip tray by using a result of the measurement performed by the measurement device.

3. The management system of substitute currency for gaming according to claim 1 or 2, wherein the management control device further has a function of generating an error signal when an abnormality is determined.

4. The management system of substitute currency for gaming according to claim 1 or 2, further comprising a card distributing device determining and displaying a result of winning/losing of each game in the game table,

wherein the management control device further has a function of calculating a balance of a casino side in the game table by using the result of winning/losing acquired from the card distributing device and a measurement result of a position, types, and quantities of the substitute currency for gaming.

5. The management system of substitute currency for gaming according to claim 4, wherein the management control device verifies whether or not an increase/decrease in a total amount based on the types and the quantities of the substitute currency for gaming, which are specified by the management control device

or the chip determining device, of the substitute currency for gaming held on the chip tray matches the calculation of the balance for each game by using a result of the calculation of the balance of the casino side for each game in the game table.

6. The management system of substitute currency for gaming according to any one of claims 1 to 5, wherein the management control device further has a function of, when there is change in presence of the substitute currency for gaming at least in the chip tray, recording time at which there is the change in a database and can verify suspicion of use of unjust substitute currency for gaming.

7. The management system of substitute currency for gaming according to any one of claims 1 to 6, wherein an RFID specifying the unique ID to the substitute currency for gaming is built in.

8. The management system of substitute currency for gaming according to claim 7, wherein the RFID is built in the substitute currency for gaming at a time point when the substitute currency for gaming is manufactured.

9. A management system of substitute currency for gaming comprising:

substitute currency for gaming to which a unique ID that is individually identifiable is attached;

a game table used for performing a game using the substitute currency for gaming;

a chip tray holding substitute currency for gaming used by a dealer on the game table;

a chip determining device specifying types and quantities of the substitute currency for gaming held in the chip tray by using the unique ID;

a management control device determining an abnormality in the substitute currency for gaming based on the unique ID; and

a measurement device measuring the quantities of the substitute currency for gaming on the game table at least including the chip tray,

wherein the management control device has a function of inspecting a relation between information of the unique ID acquired by the chip determining device and information read by the measurement device,

the management control device further has a function that when the number of the substitute currency for gaming in the chip tray specified by using the result of the measurement performed by the measurement device is different from the number of the substitute currency for gaming in the chip tray specified by the chip determining device, determines the substitute currency for gaming to which the unique ID is attached as product defect or fake.

10. The management system of substitute currency for gaming according to claim 9, wherein an RFID specifying the unique ID is built in the substitute currency for gaming, and the management system has a structure which can measure at least quantities of the substitute currency for gaming held in the chip tray by using the measurement device.