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 winning/losing determining device determining and displaying a result of winning/losing of each game in a game table;

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

a measurement device measuring an amount and a quantity of the substitute currency for gaming placed on the game table by using a camera; and

a management control device perceiving a total amount of the substitute currency for gaming in the chip tray holding the substitute currency for gaming based on the unique ID of the substitute currency for gaming and specifying and storing a position, an amount, and a quantity of the substitute currency for gaming on the game table by using a result of the measurement performed by the measurement device in each game,

wherein the management control device has a calculation function, a collection judging function, and a payment judging

function independently from each other,

the calculation function of calculates a balance of a casino side in the game table at the timing of each collection and payment by using the result of winning/losing acquired from the winning/losing determining device and a result of the measurement of the position, the amount, and the quantity of the substitute currency for gaming for each game,

the collection judging function judges whether there was fraud or mistake in collection of the substitute currency for gaming by recognizing the calculation result of the balance of the casino side in the game table and the total amount of substitute currency for gaming when collecting the lost chip bet by each lost player,

the payment judging function judges whether there was fraud or mistake in payment of the substitute currency for gaming by recognizing the calculation result of the balance of the casino side in the game table and the total amount of substitute currency for gaming when payment of chips to be paid-out is finished.

[0007]

Substitute currency for gaming according to an aspect of the present disclosure 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 winning/losing determining device determining and displaying a result of winning/losing of each game in a game table;

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

a measurement device measuring an amount and a quantity of the substitute currency for gaming placed on the game table by using a camera; and

a management control device perceiving a total amount of the substitute currency for gaming in the chip tray holding the substitute currency for gaming based on the unique ID of the substitute currency for gaming and specifying and storing a position, an amount, and a quantity of the substitute currency for gaming on the game table by using a result of the measurement performed by the measurement device in each game,

wherein the management control device has a calculation function, a collection judging function, and a payment judging function independently from each other,

the calculation function of calculates a balance of a

casino side in the game table at the timing of each collection and payment by using the result of winning/losing acquired from the winning/losing determining device and a result of the measurement of the position, the amount, and the quantity of the substitute currency for gaming for each game,

the collection judging function judges whether there was fraud or mistake in collection of the substitute currency for gaming by recognizing the calculation result of the balance of the casino side in the game table and the total amount of substitute currency for gaming when collecting the lost chip bet by each lost player,

the payment judging function judges whether there was fraud or mistake in payment of the substitute currency for gaming by recognizing the calculation result of the balance of the casino side in the game table and the total amount of substitute currency for gaming when payment of chips to be paid-out is finished.

2. The management system of substitute currency for gaming according to claim 1, wherein the management control device uses artificial intelligence or machine learning technology to perform image recognition to image data of the gaming table acquired by the measuring device, and specifies the position, the amount, and the quantity of the substitute currency for gaming on the gaming table.

3. The management system of substitute currency for gaming according to claim 1 or 2, wherein the unique ID is stored in an RFID built in the substitute currency for gaming.

4. The management system of substitute currency for gaming according to any one of claims 1 to 3,

wherein a game performed in the game table is a Baccarat game, and

the winning/losing determining device is a card distributing device used in the Baccarat game.

5. The management system of substitute currency for gaming according to claim 3, wherein the RFID is configured at a timing of manufacturing the substitute currency for gaming.