(International Application Publication WO 2008/120749).

Citation List

Patent Literature

[0004]

Patent Literature 1: International Application Publication WO 2008/120749

Summary of Invention

Technical Problem

[0005]

Embodiments of the present disclosure provide a management system or a game token that can prevent the use of false game tokens used in casino or game facilities and that can prevent the use of false game tokens and unfair exchange in casino or game facilities. In recent years, manufacturing techniques of false game tokens are progressed to such an extent that truth-or-falsity determination marks and RFIDs can be copied fully accurately. As a result, truth-or-falsity determination marks and RFIDs that are the same as authentic truth-or-falsity determination marks and RFIDs are provided on false game tokens, making it impossible to distinguish false game tokens from true game tokens and making it substantially impossible to perform truth-or-falsity determination.

Solution to Problem

[0006]

An aspect of the present invention provides a management system for managing gaming chips at a casino, the management system comprising: a cashier including a storage area in which the gaming chips are held; a gaming table tray configured to hold the gaming chips at a game table; an ID reader configured to read IDs provided on the gaming chips; a chip determination device configured to use the ID reader to identify the IDs of the gaming chips in at least the gaming table tray and the cashier; and a database configured to record the IDs of the gaming chips determined by the chip determination device along with their location information, wherein the management system is configured to use the database to determine the gaming chips owned by the casino, including the gaming chips existing in the gaming table tray and the gaming chips existing in the cashier.

[0006a]

Another aspect of the present invention provides a management system for managing gaming chips at a casino, the management system comprising: a cashier including a storage area in which the gaming chips are held; a gaming table tray configured to hold the gaming chips at a game table; an ID reader configured to read IDs provided on the gaming chips; a chip determination device configured to use the ID reader to identify the IDs of the gaming chips in at least the gaming

table tray and the cashier; and a database configured to record the IDs of the gaming chips determined by the chip determination device along with their location information, wherein the management system is configured to use the database to determine the gaming chips owned by a game participant.

[0006b]

Another aspect of the present invention provides a management system for managing gaming chips at a casino, the management system comprising: a cashier including a storage area in which the gaming chips are held; a gaming table tray configured to hold the gaming chips at a game table; an ID reader configured to read IDs of the gaming chips in the cashier and the gaming table tray; a chip determination device configured to uses the ID reader to identify at least the IDs of the gaming chips held in the gaming table tray and the cashier; a database configured to record location information of the gaming chips, including the cashier, the gaming table tray, and game participants, based on the IDs identified by the chip determination device, along with the IDs of all gaming chips that are expected to be used in the casino; and a control device configured to identify a suspicion of fraud with respect to the gaming chips based on the location information recorded in the database, and to identify a person pertaining to the suspicion of fraud.

[0006c]

Another aspect of the present invention provides a management system for managing gaming chips at a casino, the management system comprising: a reader configured to: acquire IDs of the gaming chips at a cashier including a storage area in which at least the gaming chips are held, and acquire the IDs of the gaming chips to be exchanged for cash paid by game participants at the cashier; a database configured to record the IDs of the gaming chips that are expected to be used in the casino, along with location information of the gaming chips; and a control device configured to record the exchange at the cashier in a manner that enables the game participant to be identified, and to record the game participant in the database as the location information along with the IDs of the gaming chips.

[0006d]

There is also disclosed a game token management system including:

game tokens attached with unique ID that is individually identifiable;

an ID reading device that reads the unique ID attached to the game token;

a storage that holds the game token in a casher in a game place;

a game table chip tray that holds the game token in a game table;

a chip determination device that specifies a type and number of game tokens held in the game table chip tray and the storage, with the ID reading device; and

a management control device that, in the game place, manages the IDs attached to the game tokens on the database, wherein

the management control device has a function that previously registers, on the database, the IDs of the game tokens that are contemplated to be used, manages, using the database,

at least

the IDs of the game tokens present on the game table

There is also disclosed a game token having a construction having a multilayer structure including a plurality of laminated plastic layers having respective different colors, at least one layer being a colored layer, a white layer or a light-color layer being laminated on an outer side of the colored layer, the multilayer structure having a striped pattern on a side face thereof in a laminated direction, the type of the game token being identifiable by the colored layer. Further, the game token has a construction including a unique ID that is provided at at least three places of a white layer on a side face or a side face of a light-color layer, is readable by a ID reading device to identify the type of and information about manufacture of a game token, and can be managed on database. The unique ID may be inkjet-printed with an ink viewable in visible light. The unique ID may be inkjet-printed with an ink unviewable in visible light.

[0011]

There is also disclosed a game token including IDs that are each identifiable, wherein

the unique ID provided on the game token is read with an ID reading device, the ID reading device can read