of chips is recognized.

[0005]

In a card game monitoring system described in WO 2015/107902 A, whether or not chips placed on a gaming table are collected or paid as a win or lose result is determined by performing image analysis with respect to the movement of the chip, and thus, fraud monitoring is performed.

[0006]

The present disclosure seeks to provide a novel system managing a game in a casino.

[0006a]

An aspect of the present invention provides a game management system for managing games played on a game table, comprising one or more cameras configured to capture images of objects including at least a game table, game supplies including gaming chips placed on the game table, and a dealer's or player's hand; a control device configured to determine, by analyzing at least the images, an occurrence of at least one of betting or paying for winning chips as a predetermined event at the game table, a management device configured to determine whether the predetermined event, as determined by the control device by analyzing the images, has been correctly performed, wherein the camera is configured to capture an image of the game table from an oblique angle to obtain the image of the game supplies captured from an oblique angle, and the control device is configured to recognize which of the plurality of the objects is the object from the image by using artificial intelligence or deep learning technique for the image, and determine the occurrence of the predetermined event based on the result of the recognition.

[0007]

There is also disclosed a game management system managing a casino game performed in a plurality of tables in casino facilities, the system including:

a camera obtaining an image by capturing bet gaming tokens;

an information processing device specifying a betting amount on the basis of the type and the number of gaming tokens in the image by specifying a betting target on the basis of a position of the gaming token in the image;

a game result determination device determining a game result of the casino game;

a calculation device calculating a profit of a casino manager for each table and each game of the plurality of tables, on the basis of the betting target, the betting amount, and the game result; and

a recording apparatus recording the profit.