CHIP RECOGNITION SYSTEM

BACKGROUND

Technical Field

[0001]

The present invention relates to a chip recognition system that recognizes stacked chips.

Related Art

[0002]

In games such as a baccarat game, betting is done by stacking a plurality of chips. Hence, there is a need to correctly recognize the stacked chips.

SUMMARY

[0004]

Embodiments of the present disclosure seek to provide a chip recognition system capable of accurately recognizing stacked chips.

[0004a]

An aspect of the present invention provides a chip recognition system for a gaming table, the chip recognition system comprising a first game recording apparatus configured to capture a first image of chips stacked on the gaming table diagonally from above; a second game recording apparatus configured to capture a second image of the chips stacked on the gaming table diagonally from above; and

at least one processor configured to: perform an image analysis of the first image using an artificial intelligence technology and an image analysis of the second image using an artificial intelligence technology; determine, based on results of the respective image analyses, a first number of the chips in the first image and a second number of the chips in the second image; and decide, when the first number is different from the second number, a correct number of the chips stacked on the gaming table based on the first number and the second number.

[0004b]

Another aspect of the present invention provides a chip recognition system for a gaming table, the chip recognition system comprising a first camera configured to capture a first image of chips stacked on the gaming table diagonally from above; a second camera configured to capture a second image of the chips stacked on the gaming table diagonally from above; and at least one processor configured to: perform an image analysis of the first image using an artificial intelligence technology to determine a first number of the chips in the first image; perform an image analysis of the second image using an artificial intelligence technology to determine a second number of the chips in the second image; and decide, when the first number is different from the second number, a correct number of the chips stacked on the gaming table based on the first number and the second number, wherein the first

camera and the second camera are installed in different locations and/or at different angles such that the first camera and the second camera capture different aspects of same chips of the chips stacked on the gaming table, thereby there are one or more chips that are detected by the image analysis of the first image but are not detected by the image analysis of the second image.

[0005]

According to one embodiment, provided is a chip recognition system that recognizes a chip on a gaming table in an amusement place having the gaming table, the chip recognition system comprising: a game recording apparatus that records, as an image, a state of chips stacked on the gaming table, using a camera; an image analysis apparatus that performs an image analysis on the recorded image of the state of chips; a plurality