Patent Document 1: Japanese Patent Laid-Open No. 2005-198668

Disclosure of the Invention

Problems to be Solved by the Invention

[0004]

However, when the game host shuffles cards before a game, the shuffling can sometimes take a lot of time, hampering efficient operation of the game. Also, when the game host shuffles, there is a problem of possible cheating such as insertion/removal or switching of cards.

[0005]

Embodiments of t~~T~~he present invention seek ~~has been made in view of the above problems and has an object to~~ provide shuffled playing cards and manufacturing method thereof which may eliminate the need for a game host to shuffle cards before games by taking a lot of time as well as eliminate the possibility of cheating.

Means for Solving the Problems

[0006]

~~To achieve the above object, the present invention provides a manufacturing method of shuffled playing cards characterized by comprising: a shuffling step of shuffling a predetermined number of decks of playing cards by a shuffling machine and thereby producing a set of shuffled playing cards; a packaging step of~~

~~individually packaging each shuffled playing cards subjected to the shuffling step; an ID generating step of creating a different shuffled card ID for each set of shuffled playing cards subjected to the shuffling step using an information processor; an ID affixing step of affixing the shuffled card ID as an ID code to a package of the shuffled playing cards; and an ID registration step of registering the shuffled card ID in a database by associating the shuffled card ID with information which allows identification of the shuffling machine or a shuffling machine group involved in the shuffling step of the shuffled playing cards affixed with the shuffled card ID.~~

An aspect of the present invention provides a method of manufacturing one or more shuffled decks of playing cards, comprising: shuffling one or more decks of playing cards; detecting at least a rank or suit of each card of the one or more shuffled decks of playing cards; inspecting the one or more shuffled decks of playing cards during or after shuffling; determining whether there is a defect or not comprising at least one of; 1) an excess or deficiency in the rank and suit combinations; or 2) a deficiency in the predetermined number of the multiple cards; wherein upon a condition that the decks of playing cards is determined to be defective, disposing the set of playing cards which is determined to be defective as defective item on the

inspection; and packaging a set of the playing cards passed through the inspection in one package.

[0007]

~~The present invention provides shuffled playing cards which are a predetermined number of decks of playing cards shuffled and individually packaged, characterized in that a shuffled card ID for use to access information in a database is affixed as an ID code to a package of the shuffled playing cards, where the information allows identification of a shuffling machine or a shuffling machine group used to shuffle the shuffled playing cards.~~

Another aspect of the present invention provides one or more decks of shuffled playing cards comprising: one or more decks of playing cards being shuffled; at least a rank or suit of each card of one or more shuffled decks of playing cards being detected; the one or more shuffled decks of playing cards being inspected using one or more processors during or after shuffling; wherein it is determined whether there is a defect or not comprising at least one of; 1) an excess or deficiency in the rank and suit combinations; or 2) a deficiency in the predetermined number of the multiple cards; wherein upon a condition that the decks of playing cards is determined to be defective, disposing the set of playing cards which is determined to be defective as defective item on the

inspection; and a set of the playing cards passed through the inspection being packaged in one package.

Advantages of the Invention

[0008]

Embodiments of tThe present invention can provide shuffled playing cards which eliminate the need for a game host to shuffle cards before games by taking a lot of time as well as eliminate the possibility of cheating. Also, since a shuffled card ID associated with information which allows identification of the shuffling machine or shuffling machine group used to shuffle the shuffled playing cards is affixed to the package, if there is any problem with playing cards and it is believed that the cause of the problem lies in a shuffling machine, the manufacturer can easily identify which shuffling machine or shuffling machine group has caused the problem and take quick measures.

Brief Description of the Drawings

[0009]

Figures 1(a) and 1(b) are perspective views showing appearance of a shuffled playing card set (packaged individually) according to an embodiment of the present invention;

Figure 2 is a diagram showing a schematic configuration of a shuffling machine used to shuffle playing cards in a manufacturing process of the shuffled playing card set according to the embodiment of the present invention;

Claims:

1. A method of checking a shuffled deck of playing cards, wherein the shuffled deck of playing cards is being preliminary shuffled at random using a random number generator in a factory, and a shuffled card ID is attached to the shuffled deck of playing cards associated with production information of the shuffled playing cards in a factory; comprising,

detecting at least a rank of card each time the card is being set out from a card feeder,

inspecting cards of the set of shuffled playing cards,

wherein, the shuffled card ID attached to the shuffled deck of playing cards is for being read to be able to identify the defected shuffled deck of playing cards to be discarded or prevent a recurrence of the defect of the shuffled deck of playing cards according to the results of the inspecting of the cards.

2. The method of checking a shuffled deck of playing cards according to claim 1, wherein the inspecting of the set of shuffled playing cards is to inspect whether or not each card complies with standards.

3. The method of checking a shuffled deck of playing cards according to claim 1 or 2, wherein the production information comprises information that identifies a manufacturing line used to shuffle the playing cards.

4. The method of checking a shuffled deck of playing cards according to any one of claims 1 to 3, wherein the

shuffled card ID is attached to a sealing label of a package of the shuffled playing cards.

5. The method of checking a shuffled deck of playing cards according to any one of claims 1 to 3, wherein the shuffled card ID represents a bar code or a two-dimensional matrix code.

6. The method of checking a shuffled deck of playing cards according to any one of claims 1 to 3, wherein the shuffled card ID is being associated with at least one of these, the product type of the shuffled playing card, shipment information or customer information.

7. The method of checking a shuffled deck of playing cards according to any one of claims 1 to 3, wherein the shuffled card ID is registered in the database by being associated with information which allows identification of the shuffling machine or a shuffling machine group involved in the shuffling step of the shuffled playing cards to which the shuffled card ID is attached.

8. The method of checking a shuffled deck of playing cards according to any one of claims 1 to 7, wherein a predetermined number of decks of playing cards are individually packaged.

Claims

1. A method of manufacturing one or more shuffled decks of playing cards, comprising:

shuffling one or more decks of playing cards;

detecting at least a rank or suit of each card of the one or more shuffled decks of playing cards;

inspecting the one or more shuffled decks of playing cards during or after shuffling;

determining whether there is a defect or not comprising at least one of;

1) an excess or deficiency in the rank and suit combinations; or

2) a deficiency in the predetermined number of the multiple cards;

wherein upon a condition that the decks of playing cards is determined to be defective, disposing the set of playing cards which is determined to be defective as defective item on the inspection; and

packaging a set of the playing cards passed through the inspection in one package.

2. The method according to claim 1, wherein the one or more decks of playing cards are shuffled one by one in a random order using a random number generator.

3. The method according to claim 1, wherein the decks of playing cards being defective comprise the one which does not comply with predetermined card standards.

4. The method according to any one of claim 1, wherein a shuffled card ID associated with the shuffled decks of playing cards is attached to the package.

5. The method according to claim 4, wherein the shuffled card ID is registered in the database by being associated with the product type of the shuffled decks of playing cards or customer information.

6. The method according to claim 4, wherein the shuffled card ID represents a bar code or a two dimensional matrix code.

7. The method according to any one of claims 4 to 6, wherein the shuffled card ID is attached to a sealing label of a package of the shuffled decks of playing cards.

8. One or more decks of shuffled playing cards comprising:

one or more decks of playing cards being shuffled;

at least a rank or suit of each card of one or more shuffled decks of playing cards being detected;

the one or more shuffled decks of playing cards being inspected using one or more processors during or after shuffling;

wherein it is determined whether there is a defect or not comprising at least one of;

1) an excess or deficiency in the rank and suit combinations; or

2) a deficiency in the predetermined number of the multiple cards;

wherein upon a condition that the decks of playing cards is determined to be defective, disposing the set of playing cards which is determined to be defective as defective item on the inspection; and

a set of the playing cards passed through the inspection being packaged in one package.

9. The shuffled playing cards according to claim 8, wherein the one or more decks of playing cards are shuffled one by one in a random order using a random number generator.

10. The shuffled playing cards according to claim 8, wherein the decks of playing cards being defective comprise the one which does not comply with predetermined card standards.

11. The shuffled playing cards according to any one of claim 8, wherein a shuffled card ID associated with the shuffled decks of playing cards is attached to the package.

12. The shuffled playing cards according to claim 11, wherein the shuffled card ID is registered in the database by being associated with the product type of the shuffled decks of playing cards or customer information.

13. The shuffled playing cards according to claim 11, wherein the shuffled card ID represents a bar code or a two dimensional matrix code.

14. The shuffled playing cards according to any one of claims 11 to 13, wherein the shuffled card ID is attached to a sealing label of a package of the shuffled decks of playing cards.