PACKING BOX FOR SHUFFLED PLAYING CARDS

[0001]

The present invention relates to playing cards used in playing games, and particularly, to shuffled playing cards packed as an individual pack after being shuffled in a random manner, a packing box for packing an individual set of playing cards and a method of housing the shuffled playing cards in a card shooter or the like.

[Background Art]

[0002]

In poker, baccarat, bridge, blackjack, and other playing games, a dealer sets one or more decks of playing cards in a card shooter or the like, and deals cards to game players by shooting the cards one by one out of the card shooter or the like. In so doing, to ensure fairness of the games, the cards need to be dealt at random. Therefore, a game host has to sufficiently shuffle the playing cards randomly in order to ensure a random order of arrangement of the playing cards before the playing cards are set in the card shooter.

[0003]

It should be noted that a conventional card shuffling device for shuffling cards is disclosed in, for example, Patent Literature 1.

[0004]

The shuffled playing cards used in various playing games such as poker, baccarat, bridge or blackjack include, ordinary, 416 cards if eight decks of cards are used. Eight decks of playing cards have 416 cards, and the height thereof is approximately 125 mm. Therefore, when the dealer tries to set such 416 playing cards in a card shooter or the like at one time, it may be impossible to house the cards neatly since they get misaligned, which is a problem and hampers the efficient operation of the games. There is also a problem of possible cheating such as the insertion/removal or switching of cards when the cards are housed in a card shooter.

[Citation List]

[Patent Literature]

[0005]

Patent Literature 1: WO 2009/069708

[Summary of Invention]

[Problems to be Solved by the Invention]

[0006]

~~The~~ Embodiments of the present invention ~~has been made in view of the above problems, and~~ aims to provide a packing box of playing cards, shuffled playing cards and a method of housing the shuffled playing cards in a card shooter or the like with which the game host can readily set playing cards in a card shooter or the like prior to a game, and that can eliminate the possibility of cheating.

[Means for Solving the Problems]

[0007]

An aspect of the present invention provides a package for packaging of playing cards, the package having, in an assembled state, a shape of a rectangular parallelepiped with six faces including front and rear faces, right and left side faces, and top and bottom faces, the package comprising:

at least one cut-off line, each of which is formed by parallel cut lines in a longitudinal direction of the rectangular parallelepiped, allowing the detachment of at least one of the left side face or the right side face of the package so as to partially expose the playing cards contained in the package; and

a direction mark indicating the top face of the package or a correct orientation of the playing cards so that an index surface of the each playing card, on which an index is printed, is not exposed in an upward direction of the playing cards when at least one of the left or right side face of the package is detached for inserting a cut card.

~~To achieve the above object, the present invention provides~~There is also disclosed a packing box of playing cards that has, in an assembled state, a shape of a rectangular parallelepiped with six faces that are front and rear faces, right and left side faces, and top and bottom faces, and encases the playing cards, the packing box including zippers or cutoff units in two locations at a predetermined interval, the zippers or the cutoff units including cut lines in parallel with a longitudinal direction of the rectangular parallelepiped shape, and a central band in a central portion defined by the zippers or the cutoff units provided in the two locations, wherein the right and left side faces of the packing box can be removed by removing the zippers or the cutoff units such that side faces of the playing cards are exposed.

[0008]

~~To achieve the above object, the present invention provides~~There are also disclosed shuffled playing cards that are housed in a packing box and encased therein in a shuffled state, and sealed, the shuffled playing cards containing a number of cards that can form a predetermined number of decks, the packing box being a packing box that has a shape of a rectangular parallelepiped with six faces that are front and rear faces, right and left side faces, and top and bottom faces, and that has zippers or cutoff units in two locations at a predetermined interval, the zippers or the cutoff units including zipper lines or cut lines in parallel with a longitudinal direction of the rectangular parallelepiped shape, and a central band provided in a portion defined by the zippers or the cutoff units provided in the two locations, wherein the right and left side faces of the packing box can be removed by removing the zippers or the cutoff units along the zipper lines or the cut lines such that side faces of the playing cards are exposed.

[0009]

~~To achieve the above object, the present invention provides~~There is also disclosed a method of housing the shuffled playing cards in a card housing portion of a shooter used in playing games wherein playing cards containing a number of cards that can form a predetermined number of decks are housed in a packing box and encased therein in a shuffled state, and sealed, with the packing box being a packing box that has a shape of a rectangular parallelepiped with six faces that are front and rear faces, right and left side faces, and top and bottom faces, and that has zippers or cutoff units in two locations at a predetermined interval, the zippers or the cutoff units including zipper lines or cut lines in parallel with a longitudinal direction of the rectangular parallelepiped shape, and a central band provided in a portion defined by the zippers or the cutoff units provided in the two locations, wherein the right and left side faces of the packing box can be removed by removing the zippers or the cutoff units such that side faces of the playing cards are exposed, comprising a first side face exposure step; removing one of the zippers or the cutoff units of the packing box wherein the

shuffled playing cards are housed and thereby exposing one side face of the shuffled playing cards within the packing box by detaching right or left side of the packing box, a second side face exposure step: removing the other of the zippers or the cutoff units of the packing box and exposing the both side faces of the shuffled playing cards within the packing box by detaching both sides of the packing box thereby achieving a state in which the shuffled playing cards are wrapped only with the central band, a shuffled playing cards lifting step; holding the corner of the central band to lift the shuffled playing cards together, a housing step; housing the shuffled playing cards and the central band in the card housing portion of the shooter, a housing completion step; tearing the central band to remove the central band thereby completing the housing with only the shuffled playing cards left in the card housing portion.

[0010]

~~With the present invention~~As disclosed, it is possible to achieve an easier handling of a predetermined number of decks of shuffled playing cards to be used in card games so that the cards can be set to a shooter in a safe and reliable manner, thereby improving the operability of games at casinos, reducing the operation cost and improving safety.

[0011]

As described below, the present invention includes other aspects. Thus, disclosure of the invention is intended to provide a part of aspects of the present invention, and not intended to limit the scope of the invention described and claimed herein.

[0012]

[Brief Description of Drawings]

[Fig. 1] Fig. 1(a) is a perspective view of a packing box packing shuffled playing cards according to Embodiment 1 of the present invention, and Fig. 1(b) is a perspective view showing a state in which the packing box packing the shuffled playing cards is partially broken to show a portion of the cards.

[Fig. 2] Fig. 2 is a perspective view showing a state in which the side faces of the shuffled playing cards of Embodiment 1 of the present invention are exposed.

[Fig. 3] Fig. 3 is a bottom view of a packing box of the shuffled playing cards.

[Fig. 4] Fig. 4 is a diagram showing a state in which a cut card is inserted in the shuffled playing cards.

[Fig. 5] Fig. 5 is a schematic diagram showing a state in which the shuffled playing cards are housed in a shooter.

[Fig. 6] Fig. 6 is a diagram illustrating a procedure for housing the shuffled playing cards in a shooter.

[Description of Embodiments]

[0013]

Now, the present invention will be described in detail. The detailed description below and the accompanying drawings do not limit the invention.

Claims

1. A package for packaging of playing cards, the package having, in an assembled state, a shape of a rectangular parallelepiped with six faces including front and rear faces, right and left side faces, and top and bottom faces, the package comprising:

at least one cut line in parallel with a longitudinal direction of the rectangular parallelepiped, tearing of the package along the at least one cut line resulting in removal of one of the left or right side faces of the package and exposure of side edges of playing cards within the package; and

a break line, tearing of the break line resulting in removal of remaining portions of the package.

2. The package according to claim 1, wherein the top face has a marking indicating it to be a top surface, or a marking indicating the front/rear orientation of the playing cards.

3. The package according to claim 1 or 2, further comprising markings showing the first place in an order of steps for removing the package.

4. The package according to any one of the preceding claims, further comprising a bar code or RFID that indicates a different ID for each set of playing cards.

5. The package according to any one of the preceding claims, wherein the at least one cut line comprises two cut lines.

6. The package according to claim 5, wherein tearing of the package along one of the two cut lines results in removal of the left side face of the package and tearing of the package along the other of the two cut lines results in removal of the right side face of the package.

7. A method of housing shuffled playing cards in a shooter, wherein the shuffled playing cards comprise a predetermined number of decks of playing cards shuffled in a random order and individually packaged in a package, the package has a shape of a rectangular parallelepiped with six faces including front and rear faces, right and left side faces, and top and bottom faces, and the package includes a cut line in parallel with a longitudinal direction of the rectangular parallelepiped and a break line, the method comprising:

removing one of the left or right side faces of the package along the cut line

so that side edges of the playing cards within the package are exposed;

inserting a cut card into the shuffled playing cards from the exposed side edges; handling the playing cards using remaining portions of the package to house the playing cards in the shooter; and

tearing the break line to remove the remaining portions of the package.

8. The method of housing shuffled playing cards in a shooter according to claim 7, wherein the package has a bar code or RFID that indicates a different ID for each set of shuffled playing cards.

9. A method of packaging packages of shuffled playing cards, each package of shuffled playing cards comprising an ID code, the method comprising:

packaging the packages in a container;

attaching a container ID to the container, the container ID being associated with the ID codes of the packages of shuffled playing cards; and

registering the container ID in a database.

10. The method of claim 9, wherein the container ID is an RFID.

11. The method of claim 9 or 10, further comprising the step of registering the ID codes of the packages upon delivery to a casino using the container ID.

Claims

1. A package for packaging of playing cards, the package having, in an assembled state, a shape of a rectangular parallelepiped with six faces including front and rear faces, right and left side faces, and top and bottom faces, the package comprising:

at least one cut-off line, each of which is formed by parallel cut lines in a longitudinal direction of the rectangular parallelepiped, allowing the detachment of at least one of the left side face or the right side face of the package so as to partially expose the playing cards contained in the package; and

a direction mark indicating the top face of the package or a correct orientation of the playing cards so that an index surface of the each playing card, on which an index is printed, is not exposed in an upward direction of the playing cards when at least one of the left or right side face of the package is detached for inserting a cut card.

2. The package according to claim 1, further comprising:
a plurality of step marks showing each of the steps for removing the package.

3. The package according to claim 1 or 2, further comprising:
an ID code being unique to each set of the playing cards.

4. The package according to claim 3, further comprising:
a bar code for indicating the ID code.

5. The package according to any one of claims 1 to 4, comprises:
a first cut-off line, which is one of the cut-off lines, for allowing the detachment of the left side face of the package; and

a second cut-off line, which is another of the cut-off lines, for allowing the detachment of the right side face of the package.