6. The device of claim 5, wherein the first portion of each of the retainers has a straight shape, and the second portion of each of the retainers has an arc shape.

7. The device of claim 6, wherein the length of the first portion of each of the retainers is greater than the length of the second portion.

8. The device of claim 7, wherein the second portion of one of the retainers is in contact with the first portion of an adjacent retainer, the first portions of one pair retainers and the first portions of an adjacent pair retainers define a compartment of the wheel.

9. The device of claim 8, wherein the angle between the first portion of one of the pair retainers and the first portion of one of the adjacent pair retainers is an integer.

10. The device of claim 1 further comprising a pair of blocking plates detachably mounted to the first and second side walls of the base and disposed adjacent to the wheel, the pair of blocking plates facilitate cards to be completely inserted into the compartments.

11. The device of claim 10, wherein one of the pair of blocking plates comprises a first sensor configured to detect whether any cards are stored in any compartments of the wheel.

12. A shuffling device of a shuffling machine, the device comprising:

a base comprising:

a first and a second side walls,

a wheel rotatably mounted between the first and second side walls of the base, the wheel comprising:

a first portion and a second portion each of which comprising a plurality of teeth formed on the inner rim; and

a plurality pairs of retainers mounted to the first and second portions of the wheel,

and

a gear engaged with the teeth of one of the first and second portions of the wheel~~.~~; and

~~13. The device of claim 12 further comprising~~ a motor detachably mounted on one of the first and second side walls of the base, the gear is coupled to and driven by the motor.

~~14.~~13. The device of claim ~~13~~12, wherein the wheel is driven by the gear and rotates clockwise or counterclockwise.

~~15.~~14. The device of claim 12 further comprising an optical coder detachably mounted to the wheel, the optical coder is aligned with the axis of the wheel.

~~16.~~15. The device of claim 12, wherein one of a pair retainers is mounted to the first portion of the wheel and the other one of the pair retainers is mounted to the second portion of the wheel.

~~17.~~16. The device of claim ~~16~~15, wherein each of the retainers comprises a first portion and a second portion extended from the first portion, the second portion forms an acute angle between the first portion.

~~18.~~17. The device of claim ~~17~~16, wherein the angle between the first portion of one of the retainers and the first portion of an adjacent retainer is an integer.

~~19.~~18. A shuffling device of a shuffling machine, the device comprising:

a first and a second side walls;

a wheel rotatably mounted between the first and second side walls, the wheel comprising:

a first portion and a second portion; and

a plurality pairs of retainers mounted to the first and second portions of the wheel,

~~and~~

a gear engaged with a plurality of teeth formed on the inner rim of one of the first and second portions of the wheel~~.~~; and

~~20.~~ ~~The device of claim 19 further comprising~~ a motor detachably mounted on one of the first and second side walls, the gear is coupled to and driven by the motor.

~~21.~~19. The device of claim ~~20~~18, wherein the wheel is driven by the gear and rotates clockwise or counterclockwise.

~~22.~~20. The device of claim ~~21~~19 further comprising an optical coder detachably mounted to the wheel, the optical coder is aligned with the axis of the wheel.

~~23.~~21. The device of claim ~~19~~18, wherein each of the retainers comprises a first portion and a second portion extended from the first portion, the second portion forms an acute angle between the first portion.

~~24.~~22. The device of claim ~~23~~21, wherein the angle between the first portion of one of the retainers and the first portion of an adjacent retainer is an integer.