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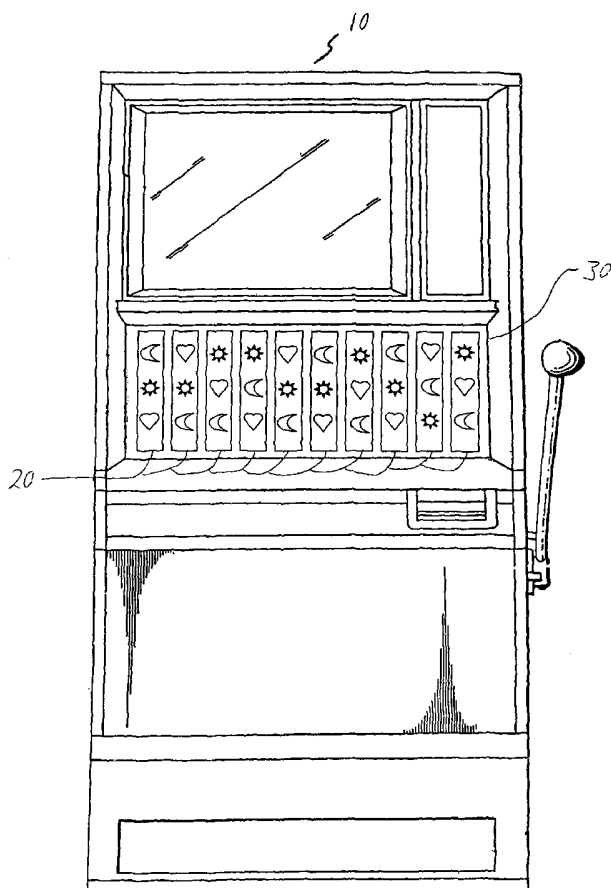
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(54) Title: BONUS GAME USING A SUBSET OF REELS



(57) Abstract: A gaming method includes spinning the plurality of reels (20) within a display window (30) of the gaming machine (10). A subset of the spinning reels (20) is then selected for use in determining the game outcome. The non-selected reels are removed from a player's view within the display window (30). The selected reels are then appealingly repositioned into a closer grouping within the display window. The gaming machine then determines if the selected and repositioned reels produce a winning game outcome. A prize is awarded if a winning game outcome is achieved.

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## BONUS GAME USING A SUBSET OF REELS

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### 10 Field of the Invention

This invention relates generally to a reel spinning game, and more particularly, to a reel spinning game where a subset of reels are selected by a player from a plurality of spinning reels, and this subset of selected reels is used to determine the game result.

### 15 Background of the Invention

A standard slot machine includes between three and five rotatable reels for use in game play. On the periphery of each reel are gaming symbols, such as assorted fruit, numbers, and/or bar symbols. The reels are caused to spin until each reel reaches a resting position. The success or failure of the game is then determined by comparing the combination of reel symbols that are displayed when the reels are in their resting positions.

To add interest to the game, many different types of slot machine have developed over time. For example, in some slot machines the display windows show more than one adjacent symbol on each reel, thereby allow betting involving multiple rows. Other types of slot machines have also been developed to increase player interest that include "second chance" games. Typically, "second chance" games try to maintain player interest from a first game segment to a second game segment by providing the player with another opportunity to win.

However, there is a continuing need for additional slot machine variants that provide a player with enhanced excitement and diversity of game play, without departing so far from the original slot gaming concept that player comfort is lost. Further, there is a continuing need for a gaming machine that provides increased player excitement due to the visual entertainment that occurs specifically in response to the player's actions. Accordingly, those skilled in the art have long recognized the need for a gaming machine that addresses these issues. The present invention clearly fulfills these and other needs.

### Summary of the Invention

Briefly, and in general terms, the present invention resolves the above and other  
5 problems by providing a method for playing a reel selection slot machine. The gaming  
method includes: spinning a plurality of reels within a display window with each reel  
displaying one or more game symbols; selecting a subset of the plurality of reels for use in  
determining a game outcome; removing the non-selected reels from a player's view within the  
display window; consolidating the selected reels within the display window; determining if  
10 the selected reels produce a winning game outcome; and awarding a prize if a winning game  
outcome is achieved.

In one preferred embodiment, the consolidating of the selected reels involves moving  
the selected reels into a traditional slot machine reel configuration. In another preferred  
embodiment, the consolidating of the selected reels involves juxtapositioning the selected  
15 reels to eliminate any non-contiguous positioning of the selected reels produced by the  
removal the non-selected reels.

In accordance with another preferred embodiment, the selection of the subset of reels  
for use in determining a game outcome is at least partially player controlled. However, in  
another preferred embodiment, the selection of the subset of reels is at least partially  
20 computer controlled.

In accordance with still another aspect of a preferred embodiment, the plurality of  
reels are mechanical reels. In other preferred embodiments, the plurality of reels are video  
representations of physical reels. Some such video embodiments further include randomly  
changing the position of the selected reels after the removing of the non-selected reels. In  
25 another preferred embodiment, the gaming method is used as a bonus game in conjunction  
with an underlying primary game. As such, a winning game outcome in the bonus game may  
result in awarding a bonus prize that is added to the prize won in the underlying primary  
game. However, in another embodiment, a winning game outcome in the bonus game may  
result in multiplying the prize won in the underlying primary game.

30 Additionally, in accordance with still another preferred aspect, a non-winning game  
outcome in the bonus game may reduce a prize won in the underlying primary game.  
Furthermore, in some embodiments a non-winning game outcome in the bonus game includes

at least the possibility of losing a prize won in the underlying primary game. Finally, in yet other preferred embodiments, the gaming method is used as a primary game.

In accordance with the present invention, a preferred gaming method may also be described as including: spinning a plurality of reels; selecting a subset of the plurality of reels  
5 for use in determining a game outcome; removing the non-selected reels from a player's view; rearranging the selected reels adjacent to one another; determining if the selected reels produce a winning game outcome; and awarding a prize if a winning game outcome is achieved.

Still another preferred gaming method may only include: spinning a plurality of reels;  
10 selecting a subset of the plurality of reels for use in determining a game outcome; juxtapositioning the selected reels to eliminate any non-contiguous positioning of the selected reels resulting from interstitial location of non-selected reels; determining if the selected reels produce a winning game outcome; and awarding a prize if a winning game outcome is achieved.

15 Other features and advantages of the present invention will become apparent from the following detailed description, taken in conjunction with the accompanying drawings, which illustrate by way of example, the features of the present invention.

#### **Brief Description of the Drawings**

20 FIGURE 1 illustrates a front view of a preferred embodiment, constructed in accordance with the present invention, having ten selectable reels;

FIGURE 2 illustrates a front view of the embodiment of FIGURE 1, with five of the reels having been selected for use in determining a game outcome, as shown by the highlighting of the selected reels;

25 FIGURE 3 illustrates a front view of the embodiment of FIGURE 1, showing the five reels that were selected for use in determining a game outcome after removal of the non-selected reels; and

FIGURE 4 illustrates a front view of the embodiment of FIGURE 1, showing the five reels selected for use in determining a game outcome having been consolidated into positions  
30 adjacent one another in a traditional slot machine reel configuration.

### DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

A preferred embodiment gaming method, implemented in accordance with the present invention, provides a player with the opportunity to play a game of slots by selecting, from a plurality of spinning reels, the subset of the reels that will be used to determine the game  
5 outcome, after the selected reels have been consolidated into substantially adjacent positions. In this manner, player excitement is derived and heightened from the visual entertainment that occurs when the non-selected reels are removed from a player's view, and the selected reels are repositioned into a traditional slot machine reel configuration. Referring now to the drawings, wherein like reference numerals denote like or corresponding parts throughout the  
10 drawings, and more particularly to FIGURES 1-4, there is shown a preferred reel selection gaming method.

Briefly stated, a preferred embodiment method of the present invention includes playing a slot-style game in a gaming machine 10 by selecting, from a plurality of spinning reels 20, a subset of spinning reels that are repositioned and used as the game outcome result  
15 reels. As shown in FIG. 1, the gaming method preferably includes spinning the plurality of reels 20 within a display window 30 of the gaming machine 10. Each of the spinning reels 20 displays one or more game symbols along its periphery. Referring now to FIG. 2, the gaming method also includes selecting a subset of the spinning reels 20 to use in determining the game outcome. In FIG. 2, highlighting designates the selected reels; however, any other  
20 suitable technique may also be utilized.

Referring to FIG. 3, the gaming method further includes removal of the non-selected reels from a player's view within the display window 30. Additionally, as shown in FIG. 4, the gaming method includes consolidating the selected reels into a closer grouping within the display window. Further, the gaming method includes determining if the selected reels  
25 produce a winning game outcome and awarding a prize if a winning game outcome is achieved.

In one preferred method, the spinning of the selected reels is stopped after the consolidation of the selected reels within the display window. Alternatively, the spinning of the selected reels may instead be stopped before the consolidating of the selected reels.  
30 Furthermore, in other preferred embodiment methods, the spinning of selected reels is stopped before the removal of the non-selected reels from a player's view within the display window.

Referring again to FIG. 1, the gaming method preferably utilizes a gaming device 10 that has ten selectable reels 20 that are viewable within the display window 30. In other preferred embodiments, the gaming device 10 may utilize a greater or lesser number of selectable reels 20. Each of the reels 20 displays at least one game symbol on its periphery, which when stopped, can be viewed along a pay line to determine a game result. Preferably, the number of reels 20 included in the gaming device 10 is larger than that utilized for an individual game. In this regard, one preferred gaming method includes the selection of five of the ten reels 20 for use in determining a game outcome result. In other preferred embodiments, a greater or lesser number of the reels 20 may be selected for use in determining a game outcome result. Preferably, a microprocessor is used to randomly control the stopping of the spinning reels and thereby determine the game result for the gaming method of the present invention. The microprocessor also awards any prize achieved based upon that game result.

In one embodiment, the microprocessor automatically selects which of the plurality of reels 20 are used to determine the game outcome result, independent of player input. However, alternatively, the selection of the game outcome result reels may be at least partially player controlled. In this regard, some embodiments of the gaming method 10 incorporate touch screen technology (as shown in FIG. 2) that allows a player to select which of the reels 20 are to be used to determine the game result by touching a portion of the window 40 in front of the chosen reels. However, selection buttons (not shown) may also be implemented to designate which of the plurality of reels 20 are the game result reels.

Preferably, the consolidating of the selected reels involves juxtapositioning the selected reels (as shown in FIG. 3) to eliminate any non-contiguous positioning of the selected reels produced by the removal the non-selected reels (as shown in FIG. 4). Additionally, it will be understood that the gaming method 10 can utilize a greater or lesser number of reels. Other preferred embodiments may also utilize multiple pay lines, and thus, have more than one symbol position of each reel visible at a time through the display window 30.

A mechanical reel system may be used instead of the video reel system described above, without departing from the scope of the present invention. In such an embodiment, each reel preferably includes a stepper motor to spin the reel. Further, in this mechanical embodiment, each reel is associated with a retractable arm that allows non-selected reels to be

removed from a player's view, and the selected reels to be consolidated into position adjacent to one another. Alternatively, a hybrid slot system may be used in which some of the reels in the slot machine are mechanical while other of the reels in the slot machine are produced by a video display.

5           The gaming method is preferably used as a bonus game in conjunction with an underlying primary game. As such, a winning game outcome in the bonus game may result in awarding a bonus prize that is added to the prize won in the underlying primary game. Alternatively, a winning game outcome in the bonus game may result in multiplying the prize won in the underlying primary game. Additionally, in accordance with still another aspect of  
10 a preferred embodiment, a non-winning game outcome in the bonus game may reduce a prize won in the underlying primary game. Furthermore, a non-winning game outcome in the bonus game may also include at least the possibility of losing the prize won in the underlying primary game. However, it will be understood that the gaming method may also be used as a primary game, without departing from the scope of the present invention.

15           Furthermore, the various methodologies described above are provided by way of illustration only and should not be construed to limit the invention. Those skilled in the art will readily recognize various modifications and changes may be made to the present invention without departing from the true spirit and scope of the present invention. Accordingly, it is not intended that the invention be limited, except as by the appended  
20 claims.



## WHAT IS CLAIMED IS:

1. A gaming method for playing a reel selection slot machine, the method comprising:

spinning a plurality of reels within a display window, the plurality of reels each displaying one or more game symbols;

5 selecting a subset of the spinning reels for use in determining a game outcome;

removing the non-selected reels from a player's view within the display window;

consolidating the selected reels within the display window; and

determining if the selected reels produce a winning game outcome, and awarding a prize if a winning game outcome is achieved.

10

2. The method of claim 1, further comprising: stopping the spinning of the selected reels, after the consolidating of the selected reels within the display window.

3. The method of claim 1, further comprising: stopping the spinning of the selected reels, before the consolidating of the selected reels within the display window.

4. The method of claim 1, further comprising: stopping the spinning of the selected reels, before the removing of the non-selected reels from a player's view within the display window.

5. The method of claim 1, wherein consolidating the selected reels within the display window comprises juxtapositioning the selected reels to eliminate any non-contiguous positioning of the selected reels produced by the removal the non-selected reels.

6. The method of claim 1, wherein the selection of the subset of reels for use in determining a game outcome is at least partially player controlled.

7. The method of claim 1, wherein the selection of the subset of reels for use in determining a game outcome is at least partially computer controlled.

8. The method of claim 1, wherein the plurality of reels are video representations of physical reels.

9. The method of claim 8, further comprising:  
randomly changing the position of the selected reels after the removing of the non-selected reels.

10. The method of claim 1, wherein the gaming method is used as a bonus game in conjunction with an underlying primary game.

11. The method of claim 10, wherein a winning game outcome in the bonus game results in a prize that is added to a prize won in the underlying primary game.

12. The method of claim 10, wherein a winning game outcome in the bonus game results in multiplying a prize won in the underlying primary game.

13. The method of claim 10, wherein a non-winning game outcome in the bonus game reduces a prize won in the underlying primary game.

14. The method of claim 10, wherein a non-winning game outcome in the bonus game includes at least the possibility of losing a prize won in the underlying primary game.

15. The method of claim 1, wherein the gaming method is used as a primary game.

16. A gaming method for playing a reel selection slot machine that includes a plurality of reels, the method comprising:

spinning the plurality of reels;

selecting a subset of the spinning reels for use in determining a game outcome;

5 removing the non-selected reels from a player's view;

rearranging the selected reels adjacent to one another; and

determining if the selected reels produce a winning game outcome, and awarding a prize if a winning game outcome is achieved.

17. The method of claim 16, further comprising: stopping the spinning of the selected reels, after the rearranging of the selected reels adjacent to one another.

18. The method of claim 16, further comprising: stopping the spinning of the selected reels, before the rearranging of the selected reels adjacent to one another.

19. The method of claim 16, further comprising: stopping the spinning of the selected reels, before the removing of the non-selected reels from a player's view.

5

20. The method of claim 16, wherein rearranging the selected reels within the display window comprises juxtapositioning the selected reels to eliminate any non-contiguous positioning of the selected reels produced by the removal the non-selected reels.

21. The method of claim 16, wherein the selection of the subset of reels for use in determining a game outcome is at least partially player controlled.

22. The method of claim 16, wherein the selection of the subset of reels for use in determining a game outcome is at least partially computer controlled.

23. The method of claim 16, wherein the plurality of reels are video representations of physical reels.

24. The method of claim 23, further comprising:  
randomly changing the position of the selected reels after the removing of the non-selected reels.

25. The method of claim 16, wherein the gaming method is used as a bonus game in conjunction with an underlying primary game.

26. The method of claim 23, wherein a winning game outcome in the bonus game results in a prize that is added to a prize won in the underlying primary game.

5

27. The method of claim 23, wherein a winning game outcome in the bonus game results in multiplying a prize won in the underlying primary game.

28. The method of claim 23, wherein a non-winning game outcome in the bonus game reduces a prize won in the underlying primary game.

29. The method of claim 23, wherein a non-winning game outcome in the bonus game includes at least the possibility of losing a prize won in the underlying primary game.

30. The method of claim 16, wherein the gaming method is used as a primary game.

31. A gaming method for playing a reel selection slot machine, the method comprising:

spinning a plurality of reels, each reel displaying game symbols thereon;

selecting a subset of the spinning reels for use in determining a game outcome;

5 juxapositioning the selected reels to eliminate any non-contiguous positioning of the selected reels resulting from interstitial location of non-selected reels; and

determining if the selected reels produce a winning game outcome, and awarding a prize if a winning game outcome is achieved.

Figure 1

10

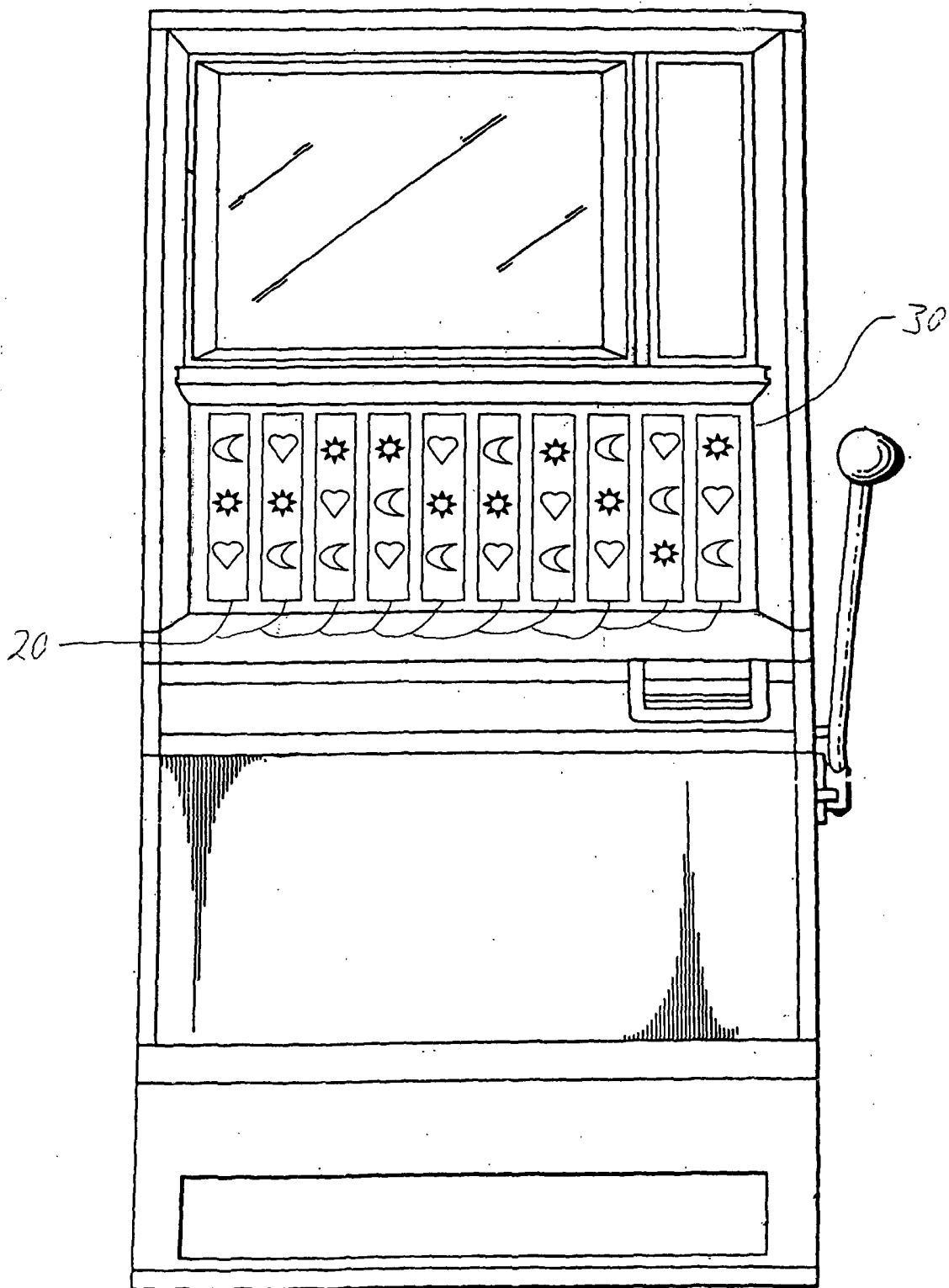


Figure 2

10

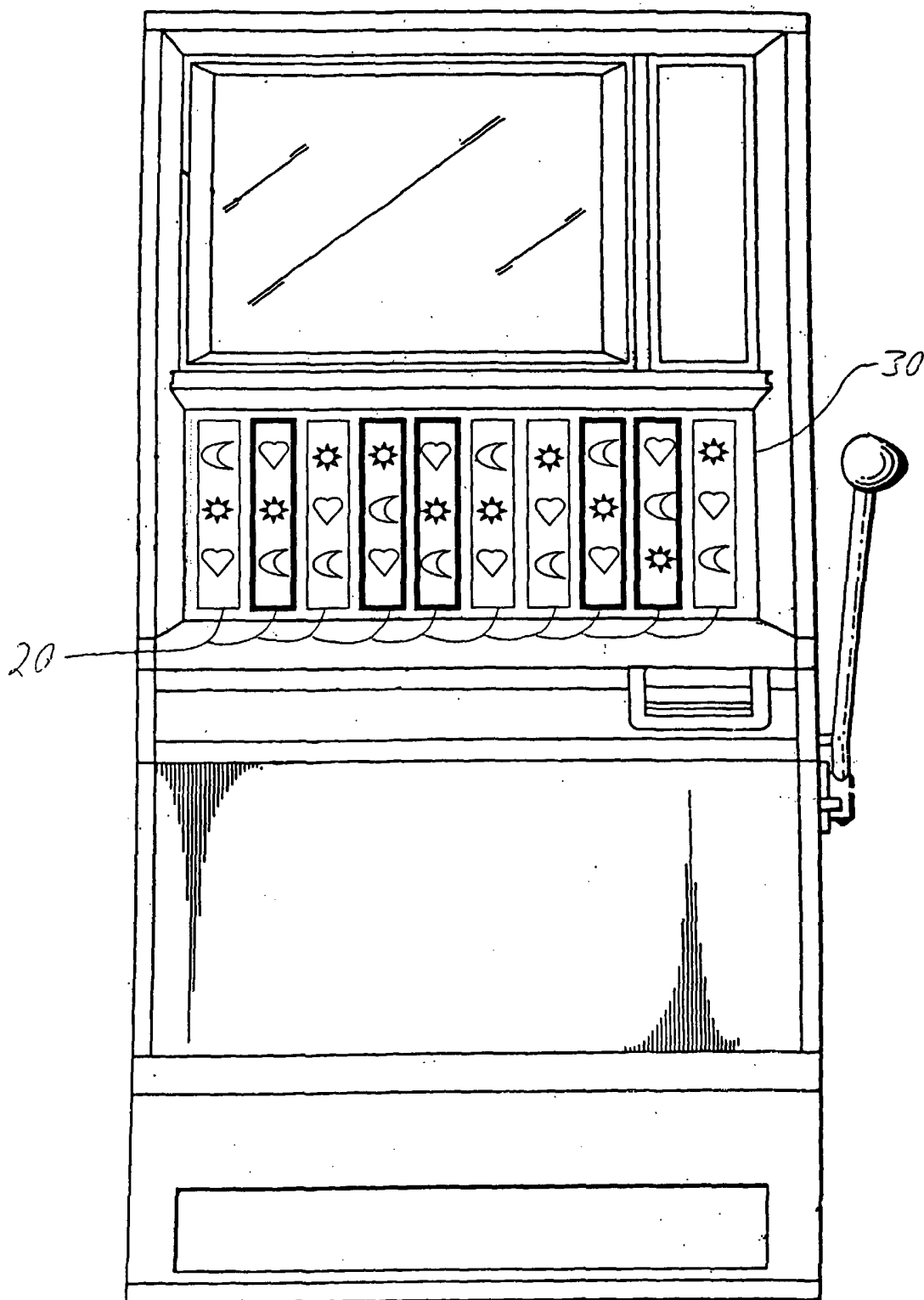


Figure 3

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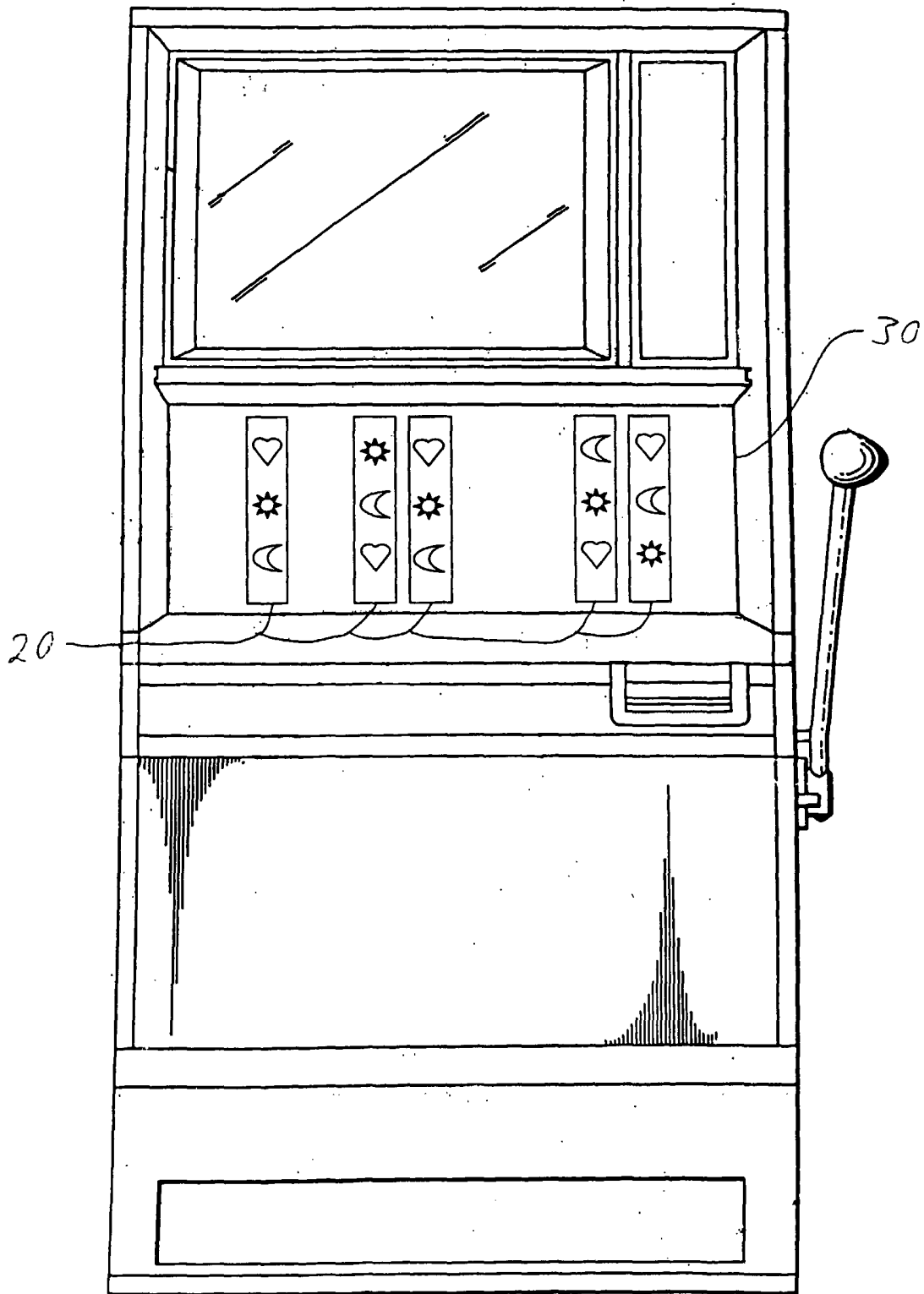




Figure 4

5<sup>10</sup>

