

positions stored in the RAM 105 are checked to discover the stopped manner of the game. The symbol table corresponds to symbol rows printed on the peripheries of the reels 24L, 24C and 24R, and associates code numbers indicating the sequences of symbols from the reference positions with symbol codes corresponding to the code numbers, serving as software reel strips. Then, the presence or absence of winning on the active lines L1, L2A, L2B, L3A and/or L3B is determined by checking the stopped manner and a winning combination table stored in the ROM 104. The winning combination table associates winning combinations with the numbers of coins to be paid out upon winning. The winning combination table is switched when active winning combinations or pay amounts are changed for different game states, for example.

[0100] When determining “winning” in the winning search, the CPU 103 supplies a payout signal to the hopper drive circuit 113 to pay out a predetermined number of coins from the hopper 114. At that time, the coin detector 120 counts the number of coins paid out from the hopper 114 and stops the drive signal to the hopper drive circuit 113 to stop the coin payout when the counted number reaches the predetermined number.

[0101] The block diagram of FIG. 4 illustrates the arrangement of the sub control circuit 201. The sub control circuit 201 controls peripheries such as the LCDs and the speakers 5L and SR for providing effects based on game information from the main control circuit 101 and input signals from the touch panel 28. The function of the sub control circuit 201 can be realized by the main control circuit 101, in this case, it is not necessary for the sub control circuit 201 to be provided.

[0102] The sub control circuit 201 has a sub microcomputer 202 as the main component and includes an upper display panel image control circuit 250, a reel display panel image control circuit 251 and a lower display panel image control circuit 252 for driving the LCDs, a sound generator IC 230 for controlling the sounding of the speakers 5L and 5R, a power amp 231 as an amplifier, a reel back lamp control circuit 240, and an electronic shutter control circuit 270 for controlling the shielding of the reel display panel 7. These control circuits are arranged on a circuit board separate from that of the main control circuit 101.

[0103] The sub microcomputer 202 includes a sub CPU 203, a sub ROM 204 as a storage means, and a sub RAM 205. The sub control circuit 201 in FIG. 5 includes, like the main control circuit 101, a clock pulse generator, a divider, a random number generator and a sampler which are not shown. The sub ROM 204 stores a sequence program for communications with the main control circuit 101, a display/sound effect selecting table for selection from among various effects on the basis of game information received, a sound sequence program, and the like. The sub RAM 205 is used as work area for executing these control programs.

[0104] The sub CPU 203 determines which type of effect is to be provided by the various display/sound effect control circuits based on commands transmitted from the main control circuit 101, and transmits the determination to the control circuits.

[0105] The reel back lamp control circuit 240 is used for controlling image display such as winning displays and winning flag information.

[0106] The electronic shutter control circuit 270 controls the transmitting/shielding control of the electronic shutter 22 disposed between the reel LCD 21 and the reels 24L, 24C and 24R, based on whether a voltage is applied or not. Specified display areas are shielded based on a determination by the sub microcomputer 202 to shield the areas on the inside of the reel LCD 21 from the view of the player. During an ST game, a special game in which information on an appropriate stop order is given according to a selected stop table, for example, only a reel to be stopped first is made visible upon the operation of the start lever 13 and the other reels are shielded so as to let the player know which reel to stop first.

[0107] Image control circuits include a plurality of control circuits for controlling the LCDs 21, 26 and 27 provided at the display panels 6, 7 and 18, that is, the upper display panel image control circuit 250, the reel display panel image control circuit 251 and the lower display panel image control circuit 252. FIG. 5 illustrates a block diagram of the reel display panel image control circuit 251 as an exemplary block diagram of the image control circuits. The reel display panel image control circuit 251 controls images displayed on the reel LCD 21, including an image control CPU 253, an image control ROM 254, an image control RAM 255, an image ROM 257, a video RAM 258 and an image control IC 256. The image control CPU 253 receives parameters determined by the sub microcomputer 202 via an image control circuit IN port 259, and determines display contents on the reel LCD 21 under an image control sequence program stored in the image control ROM 254. The image control ROM 254 stores a sequence program for receiving image display commands transmitted from the sub microcomputer 202, an image control sequence program for controlling the image control IC 256 and the like. The image control RAM 255 is used as work area for executing the image control program.

[0108] The image control IC 256 creates an image according to the display contents determined at the image control CPU 253, using graphic data stored in the image ROM 257, temporarily stores the image in the video RAM 258, and outputs the image to the reel LCD 21 via the image control circuit OUT port 260 in appropriate timing for display.

[0109] FIG. 6 is the front view of the pachislo machine 1, illustrating especially the upper display panel 6, reel display panel 7 and lower display panel 18. In this embodiment, every display panel is provided with an LCD as an electrical display for displaying various images according to game states. In the reel display panel 7, symbols on the reels 24L, 24C and 24R are visible through the reel LCD 21 and the electronic shutter 22. When the reel LCD 21 and the electronic shutter 22 are controlled to be transparent, reel symbols are visible to a player. When an image is displayed on the reel LCD 21 or the electronic shutter 22 is controlled to be opaque (to be a mask), reel symbols are invisible.

[0110] The lower display panel 18 has the lower LCD 27 on which the name of the machine and images according to the theme of the gaming machine are mainly displayed. In the figure, the name of the machine “DON-NAVI” is displayed. These images are displayed on the basis of image data stored in an image ROM of the lower display panel image control circuit 252 in the sub control circuit 201. Replacement of the sub control circuit 201 or the lower