

to activate the haptic device in response to a user's concurrent selection of the user-selectable element and user-selectable game element.

[0012] In yet another aspect of the wagering game for a gaming machine noted above, the wagering game can comprise an instruction set configured, upon processing by a processor, to further perform acts comprising displaying on a display a first user-selectable game element and a second user-selectable game element and outputting the output signal to the haptic device to activate the haptic device in response to a user's concurrent selection of the first and the second user-selectable game elements.

[0013] In a further another aspect of the wagering game for a gaming machine noted above, the wagering game can comprise an instruction set configured, upon processing by a processor, to further perform an act comprising associating a motion of a displayed object adapted to move along a plurality of axes with a plurality of output signals to a haptic device, wherein a motion of the displayed object along a first axis is associated with an output signal to a haptic device to increase an intensity of a haptic device output, and wherein a motion of the displayed object along a second axis is associated with an output signal to a haptic device to decrease an intensity of a haptic device output.

[0014] In a further another aspect of the wagering game for a gaming machine noted above, the wagering game can comprise an instruction set configured, upon processing by a processor, to further perform an act comprising associating a motion of a displayed object adapted to move along a plurality of axes with an output signal to one of a plurality of haptic devices, wherein a motion of the displayed object along a first axis is associated with an output signal to a first haptic device, and wherein a motion of the displayed object along a second axis is associated with an output signal to a second device.

[0015] In still yet another aspect of the wagering game for a gaming machine noted above, the wagering game can comprise an instruction set configured, upon processing by a processor, to further perform acts comprising selecting a game element and holding the game element and moving the game element from a first position on the display to a second position on the display while holding the game element.

[0016] In any of the preceding aspects of the wagering game for a gaming machine noted above, the haptic device may comprise one or more of a haptic display, pen, button, joystick, mouse, display, finger, helmet, vest, belt, suit, boot, and/or glove.

[0017] In still another aspect of the present concepts, a method of operating a gaming machine having a haptic device is provided and comprises the acts of associating a game feature with an output signal to the haptic device, outputting the output signal to the haptic device substantially concurrent with an initiation of the game feature, and activating the haptic device in response to the output signal.

[0018] In still another aspect of the present concepts, a haptic button assembly comprises a frame, which comprises a peripheral wall defining an opening, the peripheral wall further comprising a lateral recess. The haptic button assembly also includes an insulating element dimensioned to occupy the opening defined by the frame, the insulating element itself defining an opening, and a floating lens, which comprises a transmissive element dimensioned to occupy the opening defined by the insulating element, the floating lens comprising a conductive path from a surface of the transmissive element to a conductive element on a bottom surface of

the floating lens. The haptic button assembly also includes a motive element disposed within the lateral recess of the frame and in contact with the transmissive element, the motive element being configured to selectively apply kinetic energy to the transmissive element and a substrate comprising capacitive sensing elements in contact with the conductive element on a bottom surface of the floating lens.

[0019] In still another aspect of the present concepts, a haptic button assembly comprises a frame comprising a peripheral wall defining an opening, the peripheral wall further comprising a lateral recess, and an insulating element dimensioned to occupy the opening defined by the frame, the insulating element itself defining an opening. A floating lens is provided and comprises a transmissive element dimensioned to occupy the opening defined by the insulating element, the floating lens comprising a conductive path from a surface of the transmissive element to a conductive element on a bottom surface of the floating lens. A substrate is also provided which comprises capacitive sensing elements in contact with the conductive element on a bottom surface of the floating lens.

[0020] In another aspect of the present concepts, a haptic button assembly comprises a frame comprising a peripheral wall defining an opening, the peripheral wall further comprising a lateral recess, an insulating element dimensioned to occupy the opening defined by the frame, the insulating element itself defining an opening, a floating lens comprising a transmissive element dimensioned to occupy the opening defined by the insulating element, the floating lens comprising a conductive element or a conductive surface forming a conductive path from a surface of the transmissive element to a conductive element on a bottom surface of the floating lens, a motive element disposed within the lateral recess of the frame and in contact with the transmissive element, the motive element being configured to selectively apply kinetic energy to the transmissive element, and a substrate comprising capacitive sensing elements in contact with the conductive element on a bottom surface of the floating lens.

[0021] In a further aspect of the preceding haptic button assembly, the haptic button assembly may further comprise an OLED, LCD, active matrix display, passive matrix display, fluorescent display, or e-paper display disposed on the substrate under the floating lens display so as to be viewable through the floating lens transmissive element.

[0022] In another aspect of the present concepts, a button assembly comprises a frame comprising a peripheral wall defining an opening, the peripheral wall further comprising a lateral recess, an insulating element dimensioned to occupy the opening defined by the frame, the insulating element itself defining an opening, a floating lens comprising a transmissive element dimensioned to occupy the opening defined by the insulating element, the floating lens comprising a conductive element or a conductive surface forming a conductive path from a surface of the transmissive element to a conductive element on a bottom surface of the floating lens, and a substrate comprising capacitive sensing elements in contact with the conductive element on a bottom surface of the floating lens.

[0023] In a further aspect of the preceding button assembly, the button assembly according further comprises an OLED, LCD, active matrix display, passive matrix display, fluorescent display, or e-paper display disposed on the substrate under the floating lens transmissive element so as to be viewable through the floating lens transmissive element.