

[0104] FIG. 47 is a block diagram illustrating the hardware configuration of a PDA according to an eighth embodiment of the present invention.

[0105] FIG. 48 is a flow chart for explaining the operation of a report control processing 1 executed by the CPU in a PDA according to this embodiment.

[0106] FIG. 49 is a view illustrating a waveform of a drive signal for vibration applied to an oscillatory actuator in a PDA according to this embodiment.

[0107] FIG. 50 is a view illustrating a waveform of a drive signal for a beeping sound applied to an oscillatory actuator in a PDA according to this embodiment.

[0108] FIG. 51 is a view illustrating a waveform of a drive signal applied to an oscillatory actuator when simultaneously report by vibration and a beeping sound in a PDA according to this embodiment.

[0109] FIG. 52 is a block diagram illustrating a hardware configuration of a PDA according to a ninth embodiment of the present invention.

[0110] FIG. 53 is a flow chart for explaining the operation of a beacon receiving processing executed by the CPU in a PDA according to this embodiment.

[0111] FIG. 54 is a view illustrating a report mode decision table stored in a memory in a PDA according to a 10th embodiment of the present invention.

[0112] FIG. 55 is a view for explaining an ATM according to an 11th embodiment of the present invention.

[0113] FIG. 56 is a block diagram illustrating the hardware configuration of an ATM according to this embodiment.

[0114] FIG. 57 is part of a flow chart for explaining the operation of a vibration control processing 6 executed by the CPU in an ATM according to this embodiment.

[0115] FIG. 58 is part of a flow chart for explaining the operation of a vibration control processing 6 executed by the CPU in an ATM according to this embodiment.

[0116] FIG. 59 is a sectional view for explaining a touch panel of an ATM according to a modification of this embodiment.

[0117] FIG. 60 is a sectional view for explaining a touch panel of an ATM according to a modification of this embodiment.

[0118] FIG. 61 is a view for explaining an ATM according to a 12th embodiment of the present invention.

[0119] FIG. 62 is a view illustrating a driving object decision table stored in a memory in an ATM according to this embodiment.

[0120] FIG. 63 is a flow chart for explaining the operation of a vibration control processing 7 executed by the CPU in an ATM according to this embodiment.

[0121] FIG. 64 is a sectional view illustrating an internal structure of an oscillatory actuator according to a first example of a 13th embodiment of the present invention.

[0122] FIG. 65 is a plan view illustrating an example of placement of a brake member in an oscillatory actuator according to the first example of this embodiment.

[0123] FIG. 66 is a plan view illustrating another example of placement of a brake member in an oscillatory actuator according to the first example of this embodiment.

[0124] FIG. 67 is a plan view illustrating another example of placement of a brake member in an oscillatory actuator according to the first example of this embodiment.

[0125] FIG. 68 is a view illustrating a waveform of a drive signal applied to a coil of an oscillatory actuator according to the first example of this embodiment.

[0126] FIG. 69 is a view for explaining reciprocation of a movable weight of an oscillatory actuator without a brake mechanism.

[0127] FIG. 70 is a view for explaining reciprocation of a movable weight of an oscillatory actuator according to the first example of this embodiment.

[0128] FIG. 71 is a sectional view illustrating the internal structure of an oscillatory actuator according to a second example of this embodiment.

[0129] FIG. 72 is a view illustrating a circuit configuration for applying a drive signal to a coil and a brake coil of an oscillatory actuator according to the second example of this embodiment.

[0130] FIG. 73 is a view illustrating a waveform of a drive signal applied to a coil of an oscillatory actuator according to the second example of this embodiment.

[0131] FIG. 74 is a view illustrating a waveform of a drive signal applied to a brake coil of an oscillatory actuator according to the second example of this embodiment.

[0132] FIG. 75 is a sectional view illustrating the internal structure of an oscillatory actuator according to a third example of this embodiment.

[0133] FIG. 76 is a view illustrating the circuit configuration for applying a drive signal to a coil of an oscillatory actuator according to the third example of this embodiment.

[0134] FIG. 77 is a view illustrating a waveform of a CTRL signal supplied to a switch circuit according to the third example of this embodiment.

[0135] FIG. 78 is a view illustrating an operation panel according to a third modification of the present invention.

[0136] FIG. 79 is a view illustrating a dial type switch according to this modification.

[0137] FIG. 80 is a view illustrating a "+" key and a "-" key according to this modification.

[0138] FIG. 81 is a perspective view illustrating the appearance of a remote controller of an electronic device according to this modification.

[0139] FIG. 82 is a view illustrating an electrostatic type oscillatory actuator according to a fifth modification of the present invention.

[0140] FIG. 83 is a view for explaining another electrostatic type oscillatory actuator according to the fifth modification of the present invention.