

[0040] According to the present invention, the electronic device reports to the user that an operation input has been received by vibration or sound designated by the user in advance.

[0041] Further, the present invention provides an electronic device provided with an operating unit for receiving an operation input, sound producing means for imparting an audio report to a user, a vibration generator for imparting vibration to the user, measuring means for measuring a sound level of surroundings of the electronic device, and report control means for selecting at least one of the sound producing means and the vibration generator based on measurement results of the measuring means and reporting to the user that an operation input has been received using the selected one in the case of detecting that an operation input to the operating unit has been received. Further, the present invention provides a report control method in an electronic device comprising selecting at least one of sound producing means for imparting an audio report to a user and a vibration generator for imparting vibration to the user, provided in the electronic device, based on the measurement results of measuring means for measuring the sound level of surroundings of the electronic device and reporting to the user that an operation input has been received using the selected one in the case of detecting that an operation input to the operating unit has been received.

[0042] According to the present invention, the electronic device reports to the user that an operation input has been received by vibration or sound in accordance with the sound level of surroundings of the electronic device.

[0043] Further, the present invention provides an electronic device provided with an operating unit for receiving an operation input, sound producing means for imparting an audio report to a user, a vibration generator for imparting vibration to the user, receiving means for receiving a signal designating at least one of the sound producing means or a vibration generator from a base station covering an area in which the electronic device is located, and report control means for reporting to the user that an operation input has been received using at least one of the sound producing means or the vibration generator designated by a signal received from the receiving means in the case of detecting that an operation input to the operating unit has been received. Further, the present invention provides a report control method in an electronic device comprising reporting to a user that an operation input has been received using at least one means designated by a signal received from a base station covering an area in which the electronic device is located from among sound producing means imparting an audio report to the user and vibration generator imparting vibration to the user, provided in the electronic device, in the case of detecting that an operation input to the operating unit is received.

[0044] According to the present invention, the electronic device reports to the user that an operation input has been received by vibration or sound in accordance with an instruction from a base station covering an area in which the electronic device is located.

[0045] Further, the present invention provides an electronic device provided with an operating unit for receiving an operation input, a vibration generator able to give vibration to a user and simultaneously cause the generation of

sound, and drive control means for combining a drive signal for driving the vibration generator to cause generation of vibration and an audio signal for driving the vibration generator to cause generation of sound and applying the combined signal to the vibration generator in the case of causing generation of vibration and sound from the vibration generator in the case of detecting that an operation input to the operating unit has been received. Further, the present invention provides a vibration-type reporting method in an electronic device comprising combining a drive signal for driving the vibration generator to cause generation of vibration and an audio signal for driving the vibration generator to cause generation of sound and using the combined signal to drive the vibration generator to give vibration to a user and simultaneously cause the generation of sound in the case of causing generation of vibration and sound from a vibration generator provided in the electronic device in the case of detecting that an operation input to the operating unit has been received.

[0046] According to the present invention, the electronic device reports to the user that an operation input has been received by vibration using a vibration generator and causes sound, based on the audio signal, to be generated from the vibration generator.

[0047] Further, the present invention provides an electronic device provided with an operating unit for receiving an operation input, sound producing means for imparting an audio report to a user, a vibration generator for imparting vibration to the user, acquiring means for acquiring location information of the electronic device, and report control means for selecting at least one of the sound producing means and the vibration generator based on location information acquired by the acquiring means and using the selected means to report to the user that an operation input has been received in the case of detecting that an operation input to the operating unit has been received. Further, the present invention provides a report control method in an electronic device comprising selecting at least one of sound producing means for imparting an audio report to a user and a vibration generator for imparting vibration to the user, provided in the electronic device, based on location information of the electronic device and using the selected means to report to the user that an operation input has been received in the case of detecting that an operation input to the operating unit has been received. According to the present invention, the electronic device reports to the user that an operation input has been received by vibration or sound in accordance with the current location of the electronic device.

[0048] Further, the present invention provides an electronic device provided with an operation panel for receiving a touch operation, a plurality of vibration generators for imparting vibration to the operation panel, detecting means for detecting a touched position on the operation panel, and vibration control means for selecting at least one of the plurality of vibration generators based on a touched position of the touch operation detected by the detecting means and causing generation of vibration from the selected vibration generator in the case of detecting that a touch operation to the operation panel has been received. Further, the present invention provides a vibration-type reporting method in an electronic device comprising detecting a touched position, selecting at least one of a plurality of vibration generators provided in the electronic device based on a touched posi-