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In both instances of FIGS. 25a and 25b, a user may be notified of completion of volume setup via vibration (or effect sound). Furthermore, when a predetermined delay time lapses and after volume of sound is designated by the shaking motion, the designated volume of sound may be automatically set up.

FIG. 26a illustrates an instance where a video is enlarged and/or an aspect ratio is changed in response to the shaking times (frequency), when a user applies a shaking motion while touching a video reproduction area of a touch screen in a video reproduction mode of a portable terminal disposed with the touch screen.

FIG. 26b illustrates an instance where volume is adjusted at a ratio in response to the shaking times (frequency), when a user applies a shaking motion during depression of a gyro key button (B2) located at a side of a portable terminal in a video reproduction mode of the portable terminal disposed with a touch screen. In both instances of FIGS. 26a and 26b, a user may be notified of completion of volume setup via vibration (or effect sound).

Alternatively, a user may fast forward or fast reverse through a video with a predetermined motion of the device.

Furthermore, an electronic dictionary application may be loaded to search for a particular word, when a user applies a shaking motion during touch of the particular word included in a displayed text, in a mode of the text being displayed on a touch screen of a portable terminal.

In the present exemplary implementation, it is preferable that a smart phone having an excellent multitasking operating system be applied, as it is easier to apply the multitasking operating system.

It should be understood that the portable terminal operable by an input of a manual manipulation unit and an input of motion pattern should not be construed as limitations on the scope of the present disclosure or of what may be claimed, but rather as descriptions of features specific to particular implementations of the invention. Certain features that are described in this specification in the context of separate implementations can be selectively implemented in part or in combination of all the implementations.

Although specific implementations of the disclosure have been disclosed, those having ordinary skill in the art will understand that changes can be made to the specific implementations without departing from the spirit and scope of the disclosure. The scope of the invention is not to be restricted, therefore, to the specific implementations, and it is intended that the appended claims cover any and all such applications, modifications, and implementations within the scope of the present disclosure.

It should be also noted that although specific implementations of the disclosure have been disclosed mainly on the shaking motion, other implementations are within the scope of the following claims. For example, other motions such as tilting, pushing, turning and the like that can replace the shaking motion may be applied, which still achieve desirable results and are within the scope of the present disclosure.

What is claimed is:

1. A portable terminal, comprising:

- a motion sensing unit configured to sense a motion pattern of the portable terminal;
- a display configured to display an image;
- a manipulation unit configured to receive a manual manipulation while the image is displayed on the display, wherein the manipulation unit comprises one of a touch screen or a designated key button; and
- a controller operatively connected to the motion sensing unit and the manipulation unit, and configured to:

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interpret a combination of the manual manipulation received from the manipulation unit, followed by a motion pattern sensed by the motion sensing unit as a zoom-in or zoom-out user instruction,

wherein the manual manipulation includes touching of the touch screen or pressing of the designated key button while the image is displayed on the display, and

wherein the motion pattern includes a shaking or tilting of the portable terminal generated while the touching of the touch screen or the pressing of the designated key button is maintained; and

zoom-in or zoom-out the displayed image according to the zoom-in or zoom-out user instruction.

2. The portable terminal of claim 1, wherein the controller is configured to interpret the motion pattern as a number.

3. The portable terminal of claim 1, wherein the controller is further configured to select and display an item of a displayed list on the display when the motion pattern is applied during the touching of the touch screen or the pressing of the designated key button, and

wherein the displayed image is a thumbnail.

4. The portable terminal of claim 1, wherein the controller is further configured to scroll through a plurality of thumbnails, switch images on the touch screen, or scroll through text when the motion pattern is applied during the touching of the touch screen or the pressing of the designated key button.

5. The portable terminal of claim 1, further comprising: a storage containing a motion pattern-instruction database, wherein the controller is further configured to access the motion pattern-instruction database to interpret user interpretations including the zoom-in or zoom-out user instruction.

6. The portable terminal of claim 1, wherein according to the zoom-in or zoom-out user instruction, a size of the displayed image is continuously changed as the tilting of the portable terminal continues.

7. The portable terminal of claim 6, wherein as the tilting of the portable terminal continues, the image is displayed on the entire display.

8. The portable terminal of claim 1, wherein the manual manipulation includes the touching of the touch screen while the image is displayed, and

the motion pattern is the tilting of the portable terminal generated while the touching of the touch screen is maintained.

9. The portable terminal of claim 1, wherein the motion pattern is recognized based on at least one of the following: a strength of the shaking of the portable terminal, a degree and/or direction of the tilting of the portable terminal, a size of a movement of the portable terminal, and a shape of the movement of the portable terminal.

10. The portable terminal of claim 1, wherein when the zooming-in of the displayed image is performed according to the zoom-in user instruction, an image enlargement size of the displayed image varies based on a number of shakings of the portable terminal generated while the touching of the touch screen or the pressing of the designated key button is maintained.

11. The portable terminal of claim 1, wherein the manual manipulation includes the pressing of the designated key button while the image is displayed,

the motion pattern is the shaking of the portable terminal generated while the pressing of the designated key button is maintained, and

when the zooming-in or zooming-out of the displayed image is performed according to the zoom-in or zoom-