

transparent touch sensing layer and instructs the organic light emitting device (OLED) how to present graphical information.

[0025] The invention relates, in another embodiment, to a method of operating a multifunctional hand held electronic device having a touch surface. The method includes displaying symbols in a circular fashion. Each symbol represents a different input to be made in the hand held electronic device. The method also includes mapping individual symbols being displayed to individual regions of the touch surface. The method further includes detecting a touch on the touch surface. The method additionally includes determining the region of the touch surface being touched. Moreover, the method includes highlighting only the symbol associated with the region of the touch surface being touched. The method also includes detecting a selection event and implementing the input associated with the symbol being highlighted when the selection event is initiated.

[0026] The invention relates, in another embodiment, to a method of operating a handheld electronic device having a touch device. The method includes designating input regions within a touch surface of the touch device. Each input region represents a different location within the touch surface. The method also includes assigning symbols to the input regions. The symbols characterize the functionality of the input regions. The method further includes displaying the symbols associated with the input regions, the location of the symbols indicating the location of the input area within the touch surface.

#### BRIEF DESCRIPTION OF THE DRAWINGS

[0027] The invention may best be understood by reference to the following description taken in conjunction with the accompanying drawings in which:

[0028] FIG. 1 is a simplified diagram of a multifunctional hand held device, in accordance with one embodiment of the present invention.

[0029] FIG. 2 is a diagram of a phone mode user interface, in accordance with one embodiment of the present invention.

[0030] FIG. 3 is a diagram of a phone mode user interface, in accordance with one embodiment of the present invention.

[0031] FIG. 4 is a perspective diagram of a multifunctional handheld device, in accordance with one embodiment of the present invention.

[0032] FIG. 5 is a method of operating a multifunctional device having a plurality of modes, in accordance with one embodiment of the present invention.

[0033] FIG. 6 is a method of configuring a UI of a hand held device, in accordance with one embodiment of the present invention.

[0034] FIG. 7 is a method of activating a UI as for example at start up or when a mode is changed, in accordance with one embodiment of the present invention.

[0035] FIGS. 8A-8E illustrates one example of a handheld device with a keyless phone system, in accordance with one embodiment of the present invention.

[0036] FIGS. 9A-9E illustrate one example; of a handheld device with a keyless phone system, in accordance with one embodiment of the present invention.

[0037] FIG. 10 is a simplified diagram of a touch pad, in accordance with one embodiment of the present invention.

[0038] FIG. 11 is a simplified diagram of a touch pad, in accordance with one embodiment of the present invention.

[0039] FIG. 12 is a diagram of a graphics generator, in accordance with one embodiment of the present invention.

[0040] FIG. 13 is a diagram of a graphics generator, in accordance with one embodiment of the present invention.

[0041] FIG. 14 is a diagram of a graphics generator, in accordance with one embodiment of the present invention.

[0042] FIG. 15 is a diagram of a graphics generator, in accordance with one embodiment of the present invention.

[0043] FIG. 16 is a diagram of a graphics generator, in accordance with one embodiment of the present invention.

[0044] FIG. 17 is a diagram of a graphics generator, in accordance with one embodiment of the present invention.

[0045] FIG. 18 is a diagram of a graphics generator, in accordance with one embodiment of the present invention.

[0046] FIG. 19 is a diagram of a graphics generator, in accordance with one embodiment of the present invention.

[0047] FIG. 20 is a diagram of a graphics generator, in accordance with one embodiment of the present invention.

[0048] FIG. 21 is a diagram of a graphics generator including a light panel, in accordance with one embodiment of the present invention.

[0049] FIG. 22 is a diagram of a graphics generator including a light panel, in accordance with one embodiment of the present invention.

[0050] FIG. 23 is a diagram of a graphics generator including a light panel, in accordance with one embodiment of the present invention.

[0051] FIG. 24 is a graphical layer which can be used in a phone mode, in accordance with one embodiment of the present invention.

[0052] FIG. 25 is a graphical layer which can be used in a phone mode, in accordance with one embodiment of the present invention.

[0053] FIG. 26 is a graphical layer which can be used in a phone mode, in accordance with one embodiment of the present invention.

[0054] FIG. 27 is a graphical layer which can be used in a music player mode, in accordance with one embodiment of the present invention.

[0055] FIG. 28 is a graphical layer which can be used in a music player mode, in accordance with one embodiment of the present invention.

[0056] FIG. 29 is a variation of the graphical layers given above, in accordance with one embodiment of the present invention.

[0057] FIG. 30 is a diagram of a touch pad assembly, in accordance with one embodiment of the present invention.

[0058] FIG. 31 is a diagram of a touch pad assembly, in accordance with one embodiment of the present invention.

[0059] FIG. 32 is a diagram of a touch pad assembly, in accordance with one embodiment of the present invention.

[0060] FIG. 33 is a diagram of a touch pad assembly, in accordance with one embodiment of the present invention.

[0061] FIG. 34 is a diagram of a touch pad assembly, in accordance with one embodiment of the present invention.