

38. The data input device of claim 36, wherein said plurality of reference keys are assigned in a non-linear configuration.

39. The data input device of claim 34, wherein said assigned button modification comprises:

sensing an absolute position change of a sensed finger in a first direction; and

changing said button assignment from said initial button to a button adjacent to said initial button in said first direction.

40. The data input device of claim 23, wherein said data input device is configured to form a part of one of a phone, a watch, a palm personal computer (PC), a tablet PC, a PC, a thumb keyboard, a laptop, a digital camera, a camcorder, a personal digital assistant (PDA), a web slate, an e-Book, a global positioning system (GPS) device, a video game, a remote control, an audio/video remote control, a multimedia asset player (MP3, video), or a Kiosk terminal.

41. The data input device of claim 23, wherein said finger touch sensing surface comprises a plurality of touch type zones.

42. A computing device comprising:

a processor;

a display screen communicatively coupled to said processor; and

a data input device communicatively coupled to said processor, wherein said data input device includes a finger touch sensing surface, wherein said finger touch sensing surface is configured to produce a visual feedback signal in response to a touching of said touch sensing surface, said visual feedback signal being configured to cause said processor to graphically display a visual feedback on said display screen corresponding to an absolute location that said finger touch sensing surface was touched by a finger.

43. The computing device of claim 42, wherein said computing device comprises one of a cell phone, a PDA, a keyboard, a palm PC, tablet PC, a PC, a watch, a thumb keyboard, a laptop, a camera, a video recorder, a web slate, an e-Book, a global positioning system (GPS) device, a video game, a remote control, an audio/video remote control, a multimedia asset player (MP3, video), or a Kiosk terminal.

44. The computing device of claim 42, wherein said finger touch sensing surface is configured to simultaneously sense a touching of multiple fingers and produce an independent visual feedback corresponding to an absolute position of each of said multiple fingers on said finger touch sensing surface.

45. The computing device of claim 42, wherein said data input device is configured to provide a function of one of a mouse, a keyboard, a stylus, or a touch screen.

46. The computing device of claim 42, wherein said finger touch sensing surface comprises one of a virtual switch device, a touch pad, an air gap virtual switch, of a rubber feet virtual switch, a peripheral switch, or a touch strength detector.

47. The computing device of claim 42, wherein said visual feedback comprises one of an icon on a visual display or a highlighted key on a virtual keyboard.

48. The computing device of claim 47, wherein said virtual keyboard comprises one of a QWERTY keyboard or a cell phone keypad.

49. The computing device of claim 48, wherein said finger touch sensing surface further comprises a textured surface, wherein said textured surface simulates keys of a "QWERTY" keyboard.

50. The computing device of claim 42, wherein said computing device is further configured to:

interpret an active graphical display generated on said display screen; and

map a plurality of selectable objects relative to a dimension of said finger touch sensing surface, wherein said selectable objects may be interactively selected by touching a corresponding location on said touch sensing surface.

51. The computing device of claim 50, wherein said selectable objects comprise buttons graphically represented on said display screen.

52. The computing device of claim 51, wherein said buttons comprise cell phone keypad buttons.

53. The computing device of claim 51, wherein said buttons comprise keyboard buttons.

54. The computing device of claim 51, wherein said processor is configured to:

assign an initial button to each finger that touches said finger touch sensing surface; and

modify said assigned button in response to a movement of said finger.

55. The computing device of claim 54, wherein said initial button assignment comprises assigning a plurality of reference keys to an initial finger placement.

56. The computing device of claim 55, wherein said data input device is further configured to arrange a remaining set of keys on a traditional keyboard in a spatial relationship to said plurality of reference keys.

57. The computing device of claim 55, wherein said plurality of reference keys are assigned in a non-linear configuration.

58. The computing device of claim 54, wherein said assigned button modification comprises:

sensing an absolute position change of a sensed finger in a first direction;

changing said button assignment from said initial button to a button adjacent to said initial button in said first direction; and

modifying said visual feedback signal according to said changed button assignment.

59. The computing device of claim 42, wherein said finger touch sensing surface comprises a plurality of touch type zones.

60. A method for providing visual feedback comprising:

sensing a touch of a touch sensing surface;

transmitting a signal corresponding to an absolute position said touch sensing surface was touched; and

graphically representing said absolute position on a display device.