over various buses described herein may be time multiplexed with other signals and provided over one or more common buses. Additionally, the interconnection between circuit components or blocks may be shown as buses or as single signal lines. Each of the buses may alternatively be one or more single signal lines and each of the single signal lines may alternatively be buses.

[0137] Certain embodiments may be implemented as a computer program product that may include instructions stored on a machine-readable medium. These instructions may be used to program a general-purpose or special-purpose processor to perform the described operations. A machine-readable medium includes any mechanism for storing or transmitting information in a form (e.g., software, processing application) readable by a machine (e.g., a computer). The machine-readable medium may include, but is not limited to, magnetic storage medium (e.g., floppy diskette); optical storage medium (e.g., CD-ROM); magneto-optical storage medium; read-only memory (ROM); random-access memory (RAM); erasable programmable memory (e.g., EPROM and EEPROM); flash memory; electrical, optical, acoustical, or other form of propagated signal (e.g., carrier waves, infrared signals, digital signals, etc.); or another type of medium suitable for storing electronic instructions.

[0138] Additionally, some embodiments may be practiced in distributed computing environments where the machine-readable medium is stored on and/or executed by more than one computer system. In addition, the information transferred between computer systems may either be pulled or pushed across the communication medium connecting the computer systems.

[0139] Although the operations of the method(s) herein are shown and described in a particular order, the order of the operations of each method may be altered so that certain operations may be performed in an inverse order or so that certain operation may be performed, at least in part, concurrently with other operations. In another embodiment, instructions or sub-operations of distinct operations may be in an intermittent and/or alternating manner.

[0140] In the foregoing specification, the invention has been described with reference to specific exemplary embodiments thereof. It will, however, be evident that various modifications and changes may be made thereto without departing from the broader spirit and scope of the invention as set forth in the appended claims. The specification and drawings are, accordingly, to be regarded in an illustrative sense rather than a restrictive sense.

What is claimed is:

1. A method, comprising:

detecting a presence of a conductive object on a sensing device having a plurality of sensor elements that are electrically coupled, wherein the plurality of sensor elements correspond to a plurality of button operations; and

distinguishing a particular button operation from among the plurality of button operations.

2. The method of claim **1**, wherein distinguishing the particular button operation comprises recognizing two or more button operations performed by the conductive object on the sensing device using one pin of a processing device.

3. The method of claim **1**, wherein the plurality of sensor elements comprise different sensitivities.

4. The method of claim **1**, wherein the plurality of sensor elements comprise different surface areas.

5. The method of claim **1**, wherein distinguishing the particular button operation comprises:

recognizing a first button operation of the plurality of button operations when the presence of the conductive object is detected on a first sensor element of the plurality of sensor elements of the sensing device, wherein the presence of the conductive object is detected on the first sensor element when a measurement of the presence of the conductive object is greater than a first sensitivity threshold; and

recognizing a second button operation of the plurality of button operations when the presence of the conductive object is detected on a second sensor element of the plurality of sensor elements of the sensing device, wherein the presence of the conductive object is detected on the first sensor element when a measurement of the presence of the conductive object is less than the first sensitivity threshold and greater than a second sensitivity threshold.

6. The method of claim **5**, wherein the first and second sensitivity thresholds are greater than a presence threshold, wherein the presence threshold is configured to indicate the detected presence of the conductive object.

7. The method of claim **1**, wherein distinguishing the particular button operation comprises:

determining a capacitance of the conductive object on the sensing device;

detecting the presence of the conductive object on the first sensor element when the capacitance is greater than a first sensitivity threshold; and

detecting the presence of the conductive object on the second sensor element when the capacitance is less than the first sensitivity threshold and greater than a second sensitivity threshold.

8. The method of claim **7**, further comprising:

recognizing a first button operation of the plurality of button operations when the presence of the conductive object is detected on the first sensor element of the sensing device; and

recognizing a second button operation of the plurality of button operations when the presence of the conductive object is detected on the second sensor element of the sensing device.

9. An apparatus, comprising:

a sensing device having a first sensor element and a second element that are electrically coupled to detect a presence of a conductive object on the sensing device, wherein the first sensor element corresponds to a first button operation and the second sensor element corresponds to a second button operation; and

a processing device coupled to the sensing device to distinguish a particular button operation from among the first and second button operations.

10. The apparatus of claim **9**, wherein the first sensor element comprises a first surface area and the second sensor element comprises a second surface area, and wherein the first surface area is greater than the second surface area.

11. The apparatus of claim **9**, wherein the first sensor element comprises a first sensitivity and the second sensor element comprises a second sensitivity, wherein the first sensitivity is greater than the second sensitivity, and wherein the processing device is configured to distinguish the par-