button **310** may include a locking mechanism **315** to lock the button **310** into the actuated state to prevent the fluid from moving back into the button **310** and away from the cavity **125**, as shown in FIGS. **19** and **20**. To return the cavity **125** into the retracted state, the user preferably disengages the locking mechanism **315**. In the variation wherein the button **310** is a push button, the locking mechanism **315** may include a sliding tab **317** that engages with the top of the button **310** to keep the button **310** in the actuated state, as shown in FIGS. **19***a* and **19***b*. In the variation that includes a slider **312**, the locking mechanism **315** may be an engager **317** that engages the slider when the cavity **125** is expanded, as shown in FIGS. **20***a* and **20***b*. The engager **317** may be a hook that engages with a hole or a ledge in the slider, a peg that engages with the slider, or a clamp that engages with the slider, or any other suitable type of engagement geometry. The engager **317** may also include a spring to facilitate the engagement of the slider. However, the locking mechanism **315** may be of any other suitable method or system. In the second version, because the devices that have a flip cover generally have a biasing spring such as a torsional spring to keep the flip cover in the open position, the user interface enhancement system **100** preferably utilizes this biasing force to maintain the expanded state of the cavity **125**. However, any other system or method suitable to maintain the expanded state of the cavity **125** without further power input from the user may be used.

3. Actuation of the Expansion of the Cavity

[0049] The displacement device **130** of both preferred embodiments may be actuated by the device, but may alternatively be actuated by the user. In the variation where the displacement device **130** is actuated by the device, the user interface enhancement system **100** functions to communicate with the device **10** and the device **10** functions to actuate the expansion of the cavity **125**. In this preferred embodiment, the device **10** actuates the expansion of the cavity **125** whenever the device **10** determines that tactile guidance is to be provided to the user. The device **10** may alternatively actuate the expansion of the cavity **125** when the user inputs into the device **10** that tactile guidance is desired. The device **10** also preferably determines the length of time the cavity **125** is to be expanded, the rate of expansion of the cavity **125**, the level of expansion of the cavity **125**, and/or any other characteristic of the expansion of the cavity **125** that may affect the tactile guidance provided to the user may be controlled by the device **10**. In the variation wherein the user interface enhancement system **100** includes a second cavity **125***b*, the device **10** may also function to selectively actuate the expansion of one of or both of the cavity **125** and the second cavity **125***b*. The selection of the cavity or cavities to be expanded may depend on whether tactile guidance is to be provided to the user at the location of the corresponding particular regions **113**. However, any other factors suitable to determining the actuation of the expansion of the cavity **125** and/or the second cavity **125***b* may be used.

[0050] As shown in FIG. **2**, the variation where the device **10** actuates the expansion of the cavity **125** preferably includes a data-link **205** that functions as the communication bus between the device **10** and the user interface enhancement system **100**. The data-link **205** may include a wire that interfaces to an I/O port of the device **10** through a connector **210** or any other suitable wired connection, but may alternatively include a wireless transmitter and/or receiver that establishes a wireless connection with the device **10** using a protocol such as Bluetooth, ZigBee, WiFi, or any other suitable wireless protocol. However, the data-link **205** may be of any other suitable type that allows the user interface enhancement system **100** to communicate with device **10** to result in the actuation of the expansion or retraction of the cavity **125** at the desired time. The user interface enhancement system **100** may also include a processor (not shown) that communicates with the device **10** and relays instructions received from the device **10** to the displacement device **130** to expand the cavity **125**. The user interface enhancement system **100** may also transmit data to the device **10** that indicates the state of the cavity **125**, the power remaining in the native power source **200**, and/or any other data suitable to indicate the state of the user interface enhancement system **100**. However, any other suitable communication arrangement between the user interface enhancement system **100** and the device **10** may be used. In the first preferred embodiment, the data-link **205** may also function to allow power from the device **10** to transfer to the user interface system **100**.

[0051] Alternatively, the user may actuate the displacement device **130**. By allowing the user to actuate the expansion of the cavity **125**, a data-link **205** is not necessary as in the variation where the device **10** actuates the displacement device **130** because communication between the user interface enhancement system **100** and the device **10** is not required for operation of the user interface enhancement system **100**. Because electronic devices from different manufacturers generally have different criteria for communication, removing the need to communicate with the device **10** upon which the user interface enhancement system **100** is appended may allow the user interface enhancement system **100** of the second preferred embodiment to be applicable to a wider variety of electronic device with substantially little development time. In general, to adapt the user actuated variation of the user interface enhancement system **100** to different electronic devices, relatively simple changes in the placement of the cavity **125**, the geometry of cavity **125**, the overall size of the user interface enhancement system **100**, and the number of cavities **125** and **125***b* may be made.

[0052] Because of the manually powered nature of the second preferred embodiment, the displacement device **130** of the second preferred embodiment is preferably user actuated. The displacement device **130** of the first preferred embodiment may also be user actuated. For example, the user interface enhancement system **100** of the first preferred embodiment may include a button (or a switch) that functions to allow the user to activate the expansion of the cavity **125**. The button may be a two state button that functions to signal the displacement device **130** to expand the cavity **125** and/or to retract the cavity **125**, but may alternatively be a button with more than two states that function to allow the user to select the level of expansion of the cavity **125**. The actuation of the button may signal the displacement device **130** to expand the cavity **125** until a second actuation of the button is received, wherein the second actuation of the button signals the displacement device **130** to retract the cavity **125**. Alternatively, the actuation of the button may result in the expansion of the cavity **125** until the button is released or returned to an initial state (for example, a slider button that remains in one position until the user moves the slider into a second position). The actuation of the expansion of the cavity **125** may alternatively be of any other suitable sequence. In the variation wherein the user interface enhancement system **100** includes a second cavity **125***b*, the button may also function to signal to the