



(19) **United States**

(12) **Patent Application Publication**

Ciesla

(10) **Pub. No.: US 2009/0174673 A1**

(43) **Pub. Date: Jul. 9, 2009**

(54) **SYSTEM AND METHODS FOR RAISED TOUCH SCREENS**

(52) **U.S. Cl. 345/173**

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(57) **ABSTRACT**

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A touch sensitive display assembly includes a touch screen and a button array. The touch screen is configured to display one or more input keys. The button array includes one or more buttons corresponding to the one or more input keys. The button array is formed by a substrate attached to a button membrane thereby creating a set of button cavities corresponding to the input keys. The button cavities are configured to be inflated and deflated by a pump coupled to a fluid reservoir. The cavities can be inflated/deflated together, in subsets, and/or individually. In some embodiments, the button array is sandwiched between a touch sensing layer and a display of the touch screen. In other embodiments, the button array can be located either above or below the touch screen.

(21) **Appl. No.: 11/969,848**

(22) **Filed: Jan. 4, 2008**

Publication Classification

(51) **Int. Cl. G06F 3/041 (2006.01)**

