

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2010/0007631 A1 Chang

Jan. 14, 2010 (43) **Pub. Date:**

(54) TOUCH METHOD AND DEVICE FOR DISTINGUISHING TRUE TOUCH

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Appl. No.: 12/500,001

(22) Filed: Jul. 9, 2009

Related U.S. Application Data

Provisional application No. 61/103,626, filed on Oct. 8, 2008.

(30)Foreign Application Priority Data

(TW) 097125842

Publication Classification

(51) Int. Cl.

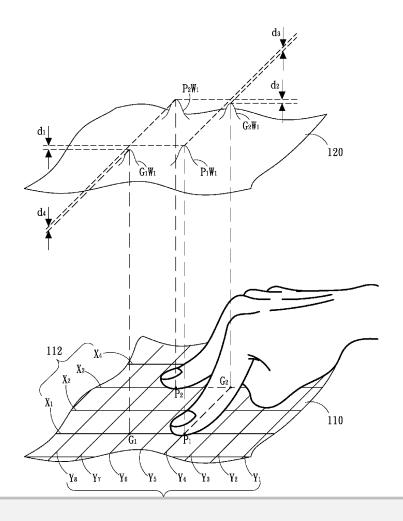
G06F 3/044

(2006.01)(2006.01)

G06F 3/041 (52)

(57)ABSTRACT

This invention discloses a touch device for distinguishing true touch. The touch device includes a touch screen, a driving unit, and a sensing unit. The touch screen has a plurality of first conductive lines and second conductive lines where the first and second conductive lines are electrically isolated from each other and stacked to form a plurality of coupling intersections. The driving unit operatively drives the first conductive lines. The sensing unit determines the first conductive lines touched or approached by a plurality of objects and also determines the coupling intersections touched or approached by the objects when the first conductive lines touched or approached by the objects are driven. By doing so, the true touch and the false touch caused by the objects can be determined and distinguished.





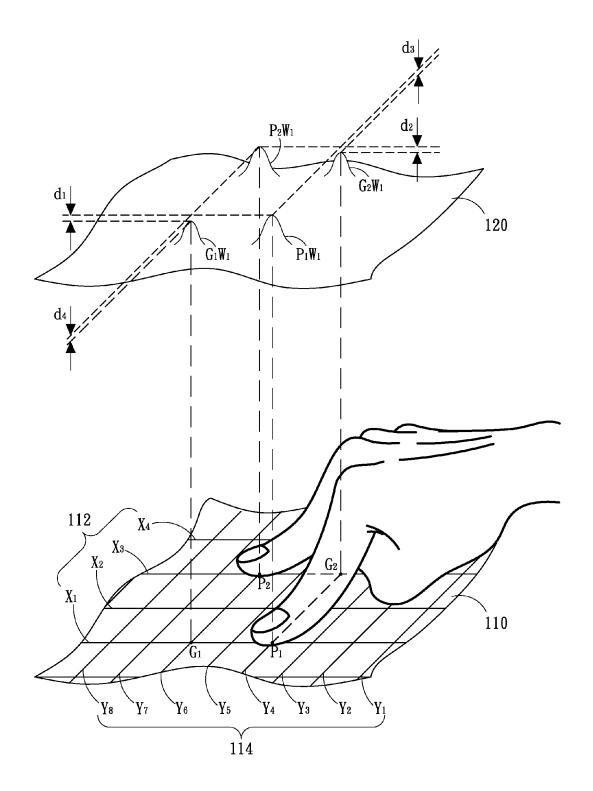


FIG. 1



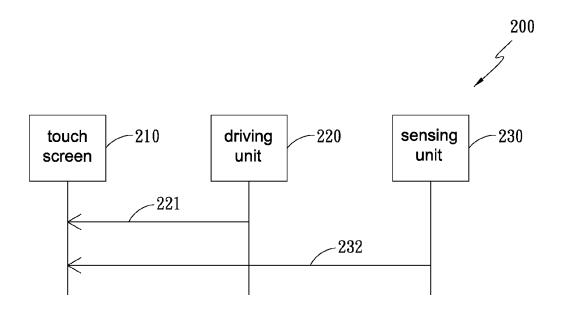


FIG. 2A

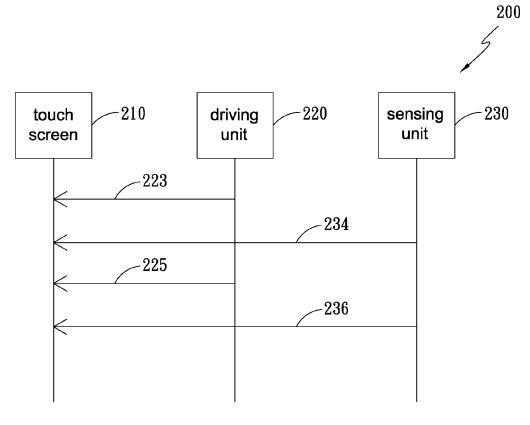
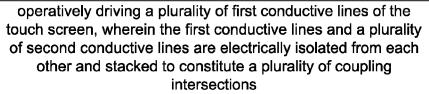


FIG. 2B





312

determining the first conductive lines touched or approached by a plurality of objects

314

simultaneously determining the coupling intersections touched or approached by the objects when the first conductive lines touched or approached by the objects are driven 316

FIG. 3A

operatively driving a plurality of first conductive lines, wherein the first conductive lines and a plurality of second conductive lines are electrically isolated from each other and stacked to constitute a plurality of coupling intersections

<u>322</u>

determining the first conductive lines touched or approached by a plurality of objects, wherein the first conductive lines touched or approached by the objects are a plurality of selected first conductive lines

324

operatively driving the selected first conductive lines, and determining operatively the coupling intersections touched or approached by the objects when the selected first conductive lines are driven

326

FIG. 3B



operatively driving a plurality of first and second conductive lines, wherein the first and second conductive lines are electrically isolated from each other and stacked to constitute a plurality of coupling intersections

332



determining the first and second conductive lines touched or approached by a plurality of objects, wherein the first and second conductive lines touched or approached by the objects are a plurality of selected first and second conductive lines 334



operatively driving the selected first conductive lines, and operatively sensing the selected second conductive lines to determine the coupling intersections touched or approached by the objects

336

FIG. 3C

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