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(54) Title: SYSTEMS AND METHODS FOR DETECTING A PRESS ON A TOUCH-SENSITIVE SURFACE

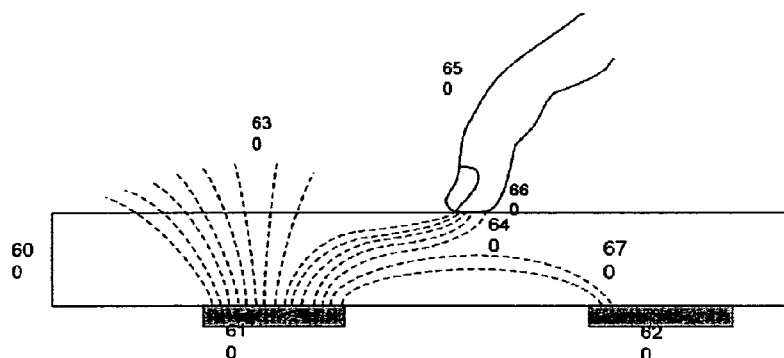


FIG. 6

(57) Abstract: Systems and methods that allow the user to rest their fingers on a touch-sensitive surface and make selections on that surface with a pressing action. Touch capacitance sensors that typically provide X and Y location data associated with a user's touch are also used to discern finger pressure in the Z direction. This allows the user to make an actuation on the touch screen by simply pressing harder at a location where they may already be resting their finger(s).



A. CLASSIFICATION OF SUBJECT MATTER**G06F 3/03(2006.01)i, G06F 3/044(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06F 3/03; G06F 3/048; H01H 36/00; G06F 3/00; G06F 3/033; H03K 17/96; G06F 3/041

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: touch, screen, panel, pad, sensor, first, second, threshold

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	KR 10-2010-0012321 A (SAMSUNG ELECTRONICS CO., LTD.) 08 February 2010 See abstract; claims 1,5; figures 1-3.	1-2,4-5,11 3,6-10 12-17
Y A	KR 10-2010-0029421 A (LG ELECTRONICS INC.) 17 March 2010 See abstract; claims 1,6; figure 5.	3 1-2,4-17
Y A	JP 11-136116 A (MATSUSHITA ELECTRIC WORKS LTD) 21 May 1999 See abstract; claims 1-2; figure 12.	6-10 1-5,11-17
A	KR 10-2010-0065640 A (SAMSUNG ELECTRONICS CO., LTD.) 17 June 2010 See abstract; claims 1-2,4; figure 5.	1-17



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

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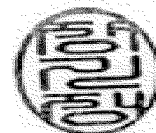
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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