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(71) Applicant (for all designated States except US): **SYNAPTICS INCORPORATED** [—/US]; 3120 Scott Blvd., Suite 130, Santa Clara, CA 95054 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **DAY, Shawn, P.** [US/US]; 1535 Rangewood Drive, San Jose, CA 95138 (US).

(74) Agents: **PITTS, S., Jared** et al.; Ingrassia, Fisher & Lorenz, P.C., 7010 E. Cochise Road, Scottsdale, AZ 85253 (US).

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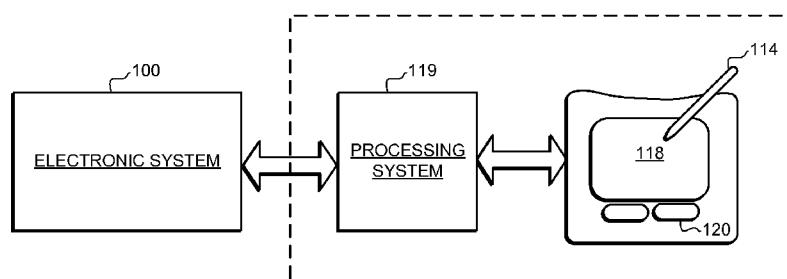


FIG. 1

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(57) Abstract: Devices and methods are provided that facilitate improved input device performance. Specifically, the devices and methods facilitate input using a pressure-sensitive layer whose electrical admittivity changes in response to pressure applied to a touch surface. An input device is provided that comprises a plurality of sensor electrodes including a set of primary sensor electrodes and a set of secondary sensor electrodes. Each primary sensor electrode is electrically coupled to at least one secondary sensor electrode to form a set of electrical admittances. In one embodiment, the pressure-sensitive layer is located between the sensor electrodes and the touch surface, such that changes in the admittivity of the pressure-sensitive layer in response to pressure on the touch surface cause corresponding changes in the admittances between the primary and secondary sensor electrodes.

A. CLASSIFICATION OF SUBJECT MATTER**G06F 3/041(2006.01)i, G06F 3/045(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)

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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,pressure-senstive

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6002389 A1 (KASSER; BERNARD) 14 December 1999 See abstract, claims 1-3, column 3 line 35 - column 4 line 30, figs.1,3A-B and 4	1-39
A	US 2006-0170659 A1 (YASUTAKA YAMAMOTO et al.) 03 August 2006 See abstract, claim 1, paragraphs [0023]-[0026],[0036]-[0038], and figs.1 and 3	1-39
A	US 2006-0209039 A1 (DESTURA et al.) 21 September 2006 See abstract, claim 1, fig.1	1-39



Further documents are listed in the continuation of Box C.



See patent family annex.

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Government Complex-Daejeon, 139 Seonsa-ro, Seo-
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Authorized officer

LEE, Cheol Soo

Telephone No. 82-42-481-8525



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