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61/377,588 27 August 2010 (27.08.2010) US(71) Applicant (for all designated States except US): **INTEL CORPORATION** [US/US]; 2200 Mission College Boulevard, Santa Clara, California 95052 (US).

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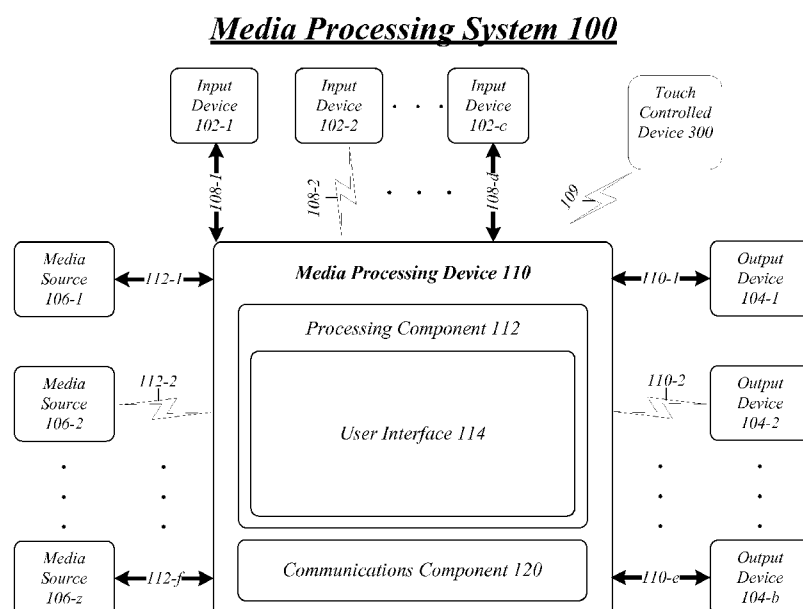
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[Continued on next page]

(54) Title: TOUCH SENSING APPARATUS AND METHOD

**FIG. 1**

(57) Abstract: An apparatus may include a processor and a touch sensing device coupled to the processor. The apparatus may further include a force determining module operative on the processor to receive a detection signal from a first portion of the touch sensing device, determine a contact area at the first portion based upon the detection signal, map the first portion to a target operation, and send control instructions to perform the target operation based on the contact area.

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- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

A. CLASSIFICATION OF SUBJECT MATTER**G06F 3/03(2006.01)i, G06F 3/041(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; G06F 3/044; G06F 19/00; G06F 3/041; A63F 13/00

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, sensor, pad, contact, area

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2008-146453 A (SONY CORP) 26 June 2008 See abstract; paragraphs [0009],[0011]; claim 2 and figure 4.	1-30
A	JP 2010-113445 A (NEC CORP) 20 May 2010 See abstract; paragraphs [0017],[0031]; claim 2 and figure 3.	1-30
A	KR 10-2006-0084945 A (LG ELECTRONICS INC.) 26 July 2006 See abstract; claim 2.	1-30
A	JP 2008-191791 A (SHARP CORP) 21 August 2008 See abstract; claims 1,4.	1-30



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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KR 10-2006-0084945 A	26.07.2006	None	
JP 2008-191791 A	21.08.2008	None	