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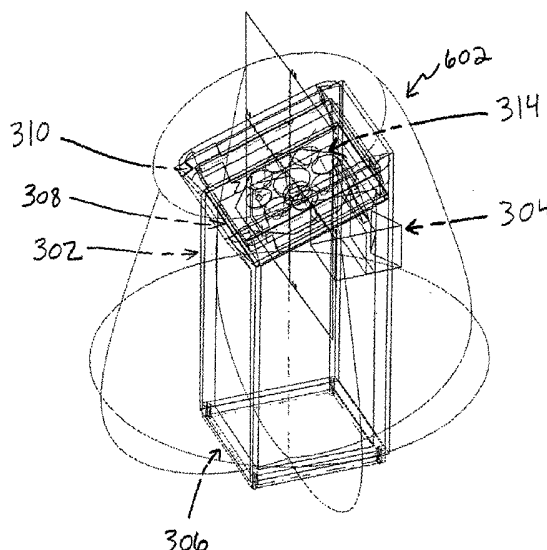
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[Continued on next page]

(54) Title: HAND-HELD POINTING DEVICE



(57) Abstract: One implementation provides a hand-held device (102) to control motion of a pointer (120) on a display (118). The device includes a shell (103), a pressure sensor (106), and an actuator (104). The shell is capable of being held by hand. The pressure sensor contains pressure sensitive zones (105 A-D) that are each associated with a direction of motion of the pointer on the display screen. The actuator is positioned to be manipulated by a digit of the hand holding the shell, and includes protrusions (202 A-D) that can each press against one of the pressure sensitive zones (232 A-D). When the actuator (104) is manipulated, at least one of the protrusions presses against one of the pressure sensitive zones to cause the pointer to move on the display screen in a direction determined by the direction of motion associated with the at least one pressure sensitive zone against which the at least one protrusions is pressed.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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A. CLASSIFICATION OF SUBJECT MATTER

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US CL : 200/329,339; 345/145,156,157,158,160,161,164,167,169,184

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)
U.S. :

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,573,464 B2 (YEN) 3 June 2003, column 2 lines 60-67, column 3 lines 1-31	1,3,6,7,8,9,12-15,18
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Y		2,4,5,10,16,19
Y	US 6,304,247 B1 (BLACK) 16 October 2001, column 3, lines 41-62	2
Y	JP 410301706A (HONMA) 13 November 1998, Abstract	4-5
Y	US 6,437,682 B1 (VANCE) 20 August 2002, column 6, lines 20-67	10
Y	US 5,691,747 (AMANO) 25 November 1997, column 7, lines 10-35	16,19

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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