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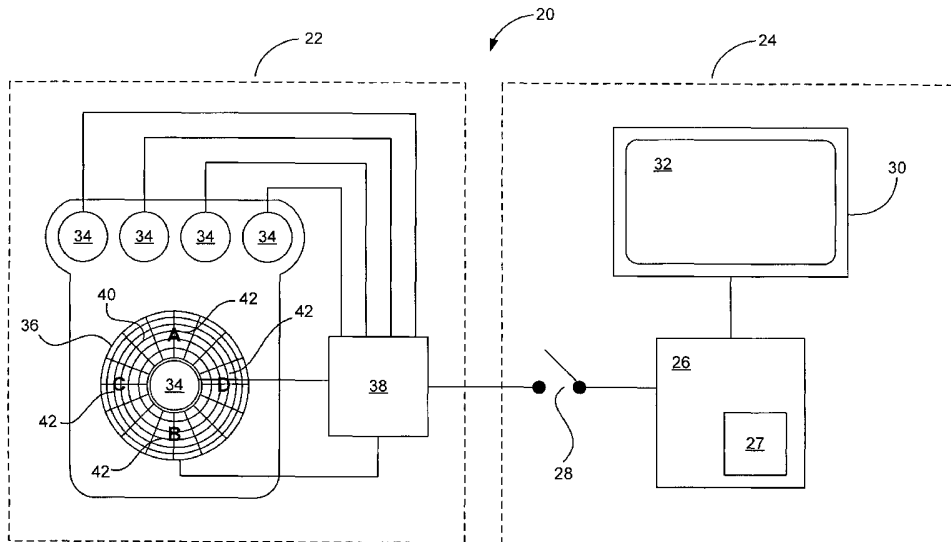
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(54) Title: TOUCH PAD FOR HANDHELD DEVICE



(57) Abstract: A touch pad system is disclosed. The system includes mapping the touch pad into native sensor coordinates. The system also includes producing native values of the native sensor coordinates when events occur on the touch pad. The system further includes filtering the native values of the native sensor coordinates based on the type of events that occur on the touch pad. The system additionally includes generating a control signal based on the native values of the native sensor coordinates when a desired event occurs on the touch pad.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/27102

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: **G09G 5/00**

USPC: 345/173  
 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. : 345/173-179, 168, 169, 158; 341/22, 23; 178/18.01, 18.1, 19.01

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

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

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,613,137 A (BERTRAM et al.) 18 March, 1997, column 20, lines 5-51 and see Fig. 4.	1, 5-13, 16-19 ----- 2-4, 14-15, 20-25, 27-28
X, P Y	US 6,750,803 B2 (YATES et al.) 15 June 2004, column 4, lines 12-14; column 6, lines 16-52; Figures 1, 4A, 4B). US 4,736,191 A (MATZKE et al.) 05 April 1988, column 3, lines 26-32; Figure 1.	29-30, 34-36 14
Y	US 5,777,605 A (YOSHINOBU et al.) 07 July 1998, Figure 5.	2-4, 20-25, 27-28

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

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